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# ABSTRACT LOG

(MAURY'S WIND AND CURRENT CHARTS.)

Kept on board the *Bark Tremont of Boston*

during the years 1854

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#264







Sea account

Abstract Log of *Bark Tremont of Boston* Captain *James Burgess*

Date.	Hour.	LATITUDE.	LONGITUDE.	CURRENTS.		BAROMETER.		THERM'R.		FORM AND DIRECTION OF CLOUDS.	*PROP. OF SKY CLEAR.	HOURS OF FOG A. RAIN B. SNOW C. HAIL D.	MAGNETIC VARIATION OBSERVED.	WINDS.	
				Direction.	Rate.	Height.	Ther. Att'd.	Air.	Wat'r					Direction.	Rate.
Oct 17	12	42° 38'	68° 48'					57° 57'		Ci - Sti	2		8° W	SW	5
	4							57° 57'		"				SW	5
	9							57° 57'		"				SW	5
Noon.	12	42° 38'	68° 48'					57° 57'		"				SW	5
	3														
	8							50 58			2			West	5
18	4							50 58							
	9														
Noon.	12	42° 28'	66° 00'					50 58		Ci - Sti	1			SW	5
	3							50 58							
	8													South	5
19	4										0			SW	5
	9							50 58				B		South East	5
Noon.	12	42° 25'	64° 00'					50 59			0	B		SW	5
	3										0	B		SW	5
	8										0	B		SW	5
20	4							53 69			2	B		SW	5
	9										2	B			
Noon.	12	41° 58'	60° 36'					53 69		Ci - Sti	2	B		South	5
	3											B		SW	5
	8										0	B		SW	5
21	4										0	B		SW	5
	9										0	B		SW	5
Noon.	12	39° 40' N	57° 00' W					54 64		Cum Sti	2	B		SW	5
	3										0	B		SW	5
	8										0	B		SW	5
22	4										0	B		SW	5
	9										0	B		SW	5
Noon.	12	39° 16'	55° 30' W					55 65		Cum Sti	1	B		SW	5
	3										2	B		SW	5
	8										0	B		SW	5
23	4										0	B		SW	5
	9										0	B		SW	5
Noon.	12	38° 52'	51° 00'					58 65		Cum Sti	0			SW	5
	3										0			SW	5
	8										0			SW	5
24	4										0	B		SW	5
	9										0	B		SW	5
Noon.	12	38° 12'	50° 34'					60 66		Cum Sti	5			SW	5
	3										5			SW	5
	8										5			SW	5
25	4	37° 20' N	50° 30' W					74 74			0	B		SW	5
	9										0	B		SW	5
Noon.	12	37° 20' N	50° 30' W							Cum Sti	4			SW	5
	3										0	B		SW	5
	8										0			South	5



From

Boston

to

Punimbuca

1854

Ther. in use, No. *18*Corrections, *None*

## REMARKS.

\* "PROP. SKY CLEAR."  
 0 Entirely overcast.  
 10 Not a cloud to be seen.

- 17 Oct 17<sup>th</sup> Sea account passed Boston Light discharged Pilot Studding-sails low to a soft fine pleasant breeze & pleasant in company with several sail. smooth sea latter part cloudy.
- 18 18<sup>th</sup> first part fine breezes & passing clouds all sail set middle cloudy all sail set at 8 a.m. tacked to the SSW latter part fresh winds & rainy
- 19 19<sup>th</sup> first part fresh winds from the NW & pleasant all sail set middle cloudy fresh breezes all sail set at 8 a.m. tacked to SSW latter part rainy fresh winds light sails in at 10 tacked to East
- 20 20<sup>th</sup> first part fresh winds from the SE & rainy. at 2 P.M. wind from the NW fine breeze & cloudy at 6 calm. at 8 fresh breeze from the NW clouds broken. all sail set middle fresh winds & passing clouds all sail set latter part fresh winds & passing clouds studding-sails in. at 12 fueled M. Royal. No Obs
- 21 first part fresh winds from the North canting to the East all sail set at 11 P.M. double reefed. Topsails. fresh gales from the NW & heavy sea. at 4 a.m. fueled M. sail. heavy gales & heavy rain. middle & latter part fresh gales & heavy rain. Sea from all directions. No Obs
- 22 first part fresh gales & heavy rain at 1 P.M. heavy gales & rain fueled fore-sail closed reefed Topsails fueled. 3 Topsails & fore topmast. staysail. fore too under close reefed in Topsail & M. Spencer. very heavy gale very thick & rainy at 4 a.m. more moderate set Double reefed Topsails & fore sail. at 8 set. got mainsail and spanker bad sea latter part fresh gales & passing clouds. No Obs
- 23 first part fresh gales & cloudy decks full of water at 10 P.M. double reefed Topsails. bad sea. middle fresh gales & cloudy bad cross sea latter part more moderate. No Obs
- 24 first part moderate & cloudy at 4 P.M. set whole topsails & Toppallant sails. nearly calm. middle squally variable breezes. fueled 7 top & sail at 8 a.m. set all sail by the wind fresh breezes & passing clouds Gulf weed in abundance bad sea from the NW.
- 25 first part fresh winds & passing clouds brace by the wind middle fresh gales & rainy close reefed latter part fresh gales & heavy squalls from the South
- 26 first part fresh gales & heavy squalls from the South few flying fish & plenty of Gulf weed



# Abstract Log of

*Captain*

*Captain*

Date.	Hour.	LATITUDE.	LONGITUDE.	CURRENTS.		BAROMETER.		THERM'R.		FORM AND DIRECTION OF CLOUDS.	*PROP. OF SKY CLEAR.	HOURS OF FOG A. RAIN B. SNOW C. HAIL D.	MAGNETIC VARIATION OBSERVED.	WINDS.	
				Direction.	Rate.	Height.	Ther. Att'd.	Air.	Wat'r					Direction.	Rate.
26 Oct	4							72	73	Ci - Sti	0	B	10° W	South	6
	9										0	B		West	6
Noon.	12	35 46	49 30.22					72	73	" "	2			W 2	6
	3										2			W 2	6
27	8										0	B		E W 2	6
	4										0				
	9										2				
Noon.	12	33° 04	47 41					72	72	Ci - Sti	4		9° W	East	6
	3									Ci - Sti	4			East	6
28	8										3			East	6
	4										3				
	9										4			East	6
Noon.	12	30 22	45 57					73	73	Ci & cum	5			E. by N	6
	3										6			E by N	6
29	8										0	B		East	6
	4									Sti	0			East	6
	9										2				
Noon.	12	27 37	44 15					74	75	Sti, cum	2		8° W	East	6
	3										2			East	6
30	8										0	B		East	6
	4									cum - Sti	0	B		East	6
	9										2			E by E	5
Noon.	12	25 13	43 06.22					74	78	Cum	4	B		E by E	5
	3										0			E by E	7
31	8									Sti	0	B		E by E	7
	4										0	B		E by E	7
	9										0				
Noon.	12	22 56	42 40.22					73	79	Sti	0		8° W	E by E	7
	3										2			E by E	6
1st	8									Sti	1	B		E by E	6
	4										1			E by E	6
	9										1				
Noon.	12	21 04	42 15.22					74	79	Sti	3			East	5
	3										2			E by E	5
2	8										0	B		E by E	5
	4										1	B		E by E	5
	9										0				
Noon.	12	19 17	41 39.22					75	79	Ci - Sti.	0		8° W	E by E	5
	3										3			E by E	5
3	8										2			E by E	4
	4										0	B		E by E	4
	9										0	B		E by E	4
Noon.	12	17° 48'	41 58					78	80	Ci - Sti	2			E by E	4
	3										3			E by E	4
	8													E by E	4



Ther. in use, No. \_\_\_\_\_

Corrections, \_\_\_\_\_

## REMARKS.

\* "PROP. SKY CLEAR."  
 0 Entirely overcast.  
 10 Not a cloud to be seen.

- 26 Middle fresh breezes & squally much rain  
 Latter part fresh breezes light squalls Gulf weed & flying fish
- 27 Oct. First part fresh breezes & squally  
 Middle fresh breezes & squally with showers of rain  
 Latter part fresh winds & passing clouds. small patches of Gulf weed.
- 28<sup>th</sup> Oct First part fresh winds & passing clouds  
 Middle fresh winds & passing clouds bad sea from G.E.  
 Latter part fresh winds passing clouds sea from G.E. little weed
- 29<sup>th</sup> Oct. First part fresh breezes & pleasant few passing clouds  
 Middle fresh breezes & cloudy  
 Latter part fresh winds & passing clouds. the wind & clouds has the appearance  
 of trades flying fish & small quantity of weed. Lightning in the G.W.
- 30<sup>th</sup> Oct First part fresh winds & passing clouds. what I should  
 call strong East trade winds  
 Middle fresh winds & squally with rain  
 Latter part fine breezes & passing clouds very little weed. few F. fish.
- 31 Oct. First part fine breezes & passing clouds  
 Middle & Latter part heavy squalls from the G.E. & heavy rain  
 the worst weather I ever saw in these latitudes  
 by the wind a complete lull the most of the time
- Nov 1<sup>st</sup> All this day heavy squalls from the East to G.E.  
 at 10 P.M. Double reefed Topsails. heavy sea from the G.E. & G.W.  
 Latter part more moderate set whole Top sails.  
 very bad weather. not one pleasant day since leaving Boston
- 2<sup>d</sup> Nov. First & middle part heavy squalls from the East to G.E.  
 with rain & heavy sea.  
 Latter part fresh winds & squally. saw a ship standing to  
 the Eastward by the wind. Top Gallant-sails set
- 3<sup>d</sup> Nov. First part fresh breeze & squalls from the G.E.  
 Middle moderate from the G.E. & S.E. light squalls  
 Latter part moderate from the G.E. a clipper ship bound to  
 the first pleasant day since leaving Boston. when & how I  
 am to get to the Eastward I do not know. it looks  
 gloomy enough. at 12 tacked to the east. all sail set



# Abstract Log of

*Bark Tremont*

Captain

*L. J. Burgess*

Date.	Hour.	LATITUDE.	LONGITUDE.	CURRENTS.		BAROMETER.		THERM'R.		FORM AND DIRECTION OF CLOUDS.	*PROP. OF SKY CLEAR.	HOURS OF FOG A. RAIN B. SNOW C. HAIL D.	MAGNETIC VARIATION OBSERVED.	WINDS.	
				Direction.	Rate.	Height.	Ther. Att'd.	Air.	Wat'r					Direction.	Rate.
Jan 4 <sup>th</sup>	4	<i>North</i>						78	80	<i>dimh</i>	2			<i>ESE</i>	2
	9										2			<i>ESE</i>	2
	Noon. 12										3			<i>ESE</i>	2
5	3	<i>16 35</i>	<i>41 38</i>							<i>Br - Ste</i>	3			<i>ESE</i>	2
	8										3			<i>East</i>	2
	4										2			<i>East</i>	4
Noon. 12	9	<i>15 00</i>	<i>40 50</i>	<i>WN</i>	<i>1/2</i>			80	80	<i>Br - Ste</i>	3	<i>a</i>		<i>East</i>	5
	3										4			<i>East</i>	5
	8										4			<i>East</i>	5
6	4										4			<i>East</i>	5
	9										4			<i>East</i>	5
	Noon. 12										4			<i>East</i>	5
7	3	<i>12 55</i>	<i>39 55</i>	<i>W</i>	<i>1/2</i>			82	81	<i>Br - Ste</i>	4	<i>a</i>		<i>East</i>	5
	8										4			<i>East</i>	5
	4										3			<i>E by W</i>	5
Noon. 12	9	<i>10 58'</i>	<i>38 54'</i>	<i>W</i>	<i>1/2</i>			81	81	<i>Br - Ste</i>	4			<i>E by W</i>	5
	3										4			<i>E by W</i>	5
	8										4			<i>East</i>	5
8	4										4			<i>E by W</i>	5
	9										4			<i>E by W</i>	5
	Noon. 12										4			<i>E by W</i>	5
9	3	<i>9 19'</i>	<i>37 09</i>	<i>W</i>	<i>1/2</i>			82	81	<i>Br</i>	4			<i>E by W</i>	5
	8										5			<i>E by W</i>	5
	4										5			<i>E by W</i>	5
Noon. 12	9	<i>8 09</i>	<i>35 12</i>	<i>S. current</i>				82	82	<i>Br</i>	5			<i>E by W</i>	5
	3										6			<i>E by W</i>	5
	8										5			<i>E by W</i>	4
10	4	<i>No Obs</i>								<i>Br - Ste</i>	4	<i>B</i>		<i>E by W</i>	4
	9										0			<i>ESE</i>	4
	Noon. 12										0			<i>ESE</i>	2
11	3										0			<i>ESE</i>	2
	8										0			<i>South</i>	2
	4										0			<i>South</i>	2
Noon. 12	9	<i>7 34</i>									0			<i>South</i>	2
	3										2			<i>South</i>	2
	8										3			<i>South</i>	2
12	4										3			<i>South</i>	2
	9										3			<i>East</i>	2
	Noon. 12										4			<i>ESE</i>	2
13	3	<i>6 22'</i>	<i>33 00'</i>					82	82	<i>Br Ste</i>	5			<i>ESE</i>	2
	8										5			<i>ESE</i>	2
	Noon. 12										5			<i>ESE</i>	2



From

Boston

to

Pernambuco

1854

Ther. in use, No. \_\_\_\_\_

Corrections, \_\_\_\_\_

## REMARKS.

\* "PROP. SKY CLEAR."  
 0 Entirely overcast.  
 10 Not a cloud to be seen.

- 2<sup>nd</sup> Nov. this day light air & passing clouds at 5 p.m. tacked to the south  
 squalls of rain through the night. no Gulf weed. no flying fish
- 5<sup>th</sup> Nov. First part moderate breezes & passing clouds all sail set by the wind  
 middle fresh winds & light squalls  
 latter part fresh winds & light fog the same ship in sight I saw 2  
 days ago. has beat us about 8 miles in 48 hours. no Gulf weed  
 few flying fish. real Trade clouds & Trade weather
- 6<sup>th</sup> Nov. First part fine breezes & passing clouds strong tide rips  
 middle fine breezes & passing clouds. sharp head sea.  
 at 7 a.m. spoke ship Sabine (the ship that has been in company 2 days)  
 38 days from N. York for Calcutta. latter part fresh breezes passing  
 clouds no Gulf weed few f. fish. strong tide rips short head sea.
- 7<sup>th</sup> Nov. This day fresh breezes & passing clouds slow halled by the wind  
 the first time the wind has been to the north of East for 15 days.  
 I am far to leeward. have tried to keep Manys track. the wind will not  
 let me. shall evidently fetch to leeward of St Roger. cant help it  
 no weed no birds. very quantity of f. fish. it looks gloomy enough
- 8<sup>th</sup> Nov. all this day fresh breezes from the East to E. N. E. & pleasant  
 all sail set by the wind great quantities of f. fish. no weed  
 strong tide rips. very strong. head S. E. sea. little prospect
- 9<sup>th</sup> Nov. all this day fine breezes & pleasant weather all sail set by the wind  
 no tide rips. no weed. few f. fish. getting along first rate nearly  
 recovered Manys track. shall endeavour to stick as close  
 to it as winds will permit
- 10<sup>th</sup> Nov. First part fine moderate breezes & passing clouds  
 middle squally wind from the S. E.  
 latter part moderate & rainy wind flying South to S. S. W.  
 at 8 a.m. tacked to the S. E. as before
- 11<sup>th</sup> Nov. First part light air & cloudy. short sea from S. E. no weed  
 middle light air & cloudy  
 latter part nearly calm have experienced p. North Easterly current  
 since morning. it looks dismal no wind no chance to get along South
- 12<sup>th</sup> Nov. First part light air & passing clouds no weed no fish {wind  
 middle light air & passing clouds all sail set by the wind 25 days on the  
 latter part the same. have regained Manys track



*Abstract Log of* Bark Tremont *Captain*

Bark <sup>my</sup> Tremont Captain J. P. Burgess

Date.	Hour.	LATITUDE.	LONGITUDE.	CURRENTS.		BAROMETER.		THERM'R.		FORM AND DIRECTION OF CLOUDS.	*PROP. OF SKY CLEAR.	HOURS OF FOG A. RAIN B. SNOW C. HAIL D.	MAGNETIC VARIATION OBSERVED.	WINDS.	
				Direction.	Rate.	Height.	Ther. Att'd.	Air.	Wat'r					Direction.	Rate.
13		No Obs.						81° 82°		Cir - Sta	2			East	3
	4										2				
	9									Cir - Sta	1			East	3
Noon.	12	No Obs.									1				
	3										1			East	3
	8										1	B			
14	4										1	B		East	3
	9										1				
Noon.	12	4° 00' N						79° 82°		Cir - Sta	1	B		East	4
	3										1			East	5
	8										1			East	5
15	4										2			East	5
	9										4			East	5
Noon.	12	1° 57' N	33° 24'					79° 82°		Cir - Sta	4			East	5
	3										4			East	5
	8										4			East	5
16	4	8° 00' N	34° 23'								4			East	5
	9										4			East	5
Noon.	12	0° 00' N	34° 23' W	1/2				78° 81°		Cir - Sta	4			East	5
	3										5				
	8										5				
	4										5				
Noon.	12										5				
	3										5				
17	8										5			East	5
	4										5			East	5
	9										5				
Noon.	12	1° 57' N	34° 47'					78° 81°		Cir	5			East by S	5
	3										6				
	8										6			East	5
18	4										6			East by N	5
	9										6				
Noon.	12	3° 55' N	34° 12' W	1/2				78° 80°		Cir	6			East	4
	3										6				
	8										5			East	4
19	4										4			East by N	4
	9										4				
Noon.	12	6° 21' N	33° 35'					78° 79°		Cir - Sta	5			East by S	4
	3														
	8														
	4														
	9														
Noon.	12														
	3														
	8														



From

Boston

to

Pernambuco Oct 4<sup>th</sup> 1854

Ther. in use, No.

Corrections,

## REMARKS.

\* "PROP. SKY CLEAR."  
 3 Entirely overcast.  
 10 Not a cloud to be seen.

- 13<sup>th</sup> Nov. This day moderate breezes & squalls of rain. passing clouds few F. Fish. no weed. no birds. verry slow progress. shall make a long passage. have had head winds for the whole passage except 2 days
- 14<sup>th</sup> Nov. all this day moderate winds & squally cloudy weather all sail set by the wind heavy S.E. sea no Fish. no Birds. no weed nothing but head winds. & squalls cannot make eastern most chance I ever saw to make a passage 25 days slow halled
- 15<sup>th</sup> Nov. all this day fresh winds from the S.E. & passing clouds no Fish. no weed. no Birds. nothing but head winds. how & when I am to make my Eastern I do not know. 30 days out. it looks like a long passage. any to the leeward & cannot get up. shall stand on this (Port) tack as long as I can head S.E. or S.W. by E.
- 16<sup>th</sup> Nov. all this day fresh breezes & pleasant weather passing clouds I am now on the Line 31 days from Boston Longitude  $34^{\circ} 23'$  I see no chance to get Eastward. heading S by W to S.S.W. cannot stand on the other tack without making too much Nothing. must stand on for the Land. shall evidently fetch  $2^{\circ}$  to the leeward of St Roque. heading as she does at present. I know of no better way than to let her go as far as she will fetch. and trust to Luck
- 17<sup>th</sup> Nov. this day fine breezes & pleasant passing clouds. all sail by the wind few F. Fish. few Birds. no weed. one sail bound South. no chance for a slant to the East. heading South. & S by W. shall stand on for the Land, if there is no alteration. hard luck but go she must
- 18<sup>th</sup> Nov. this day fine breezes from the E.S.E. & by N. & East pleasant weather all sail set by the wind. have been favoured then 24 hours it looks like fetching by the cape at present. Gulls in flocks probably from the Rocks. I have been lucky thus far as I have been by the wind for 28 days. slow halled. Braced sharp I have great faith in Maury's heading now S.S.E. fine breeze
- 19<sup>th</sup> Nov. this day fine breezes & pleasant all sail set passing clouds the wind halling to the northward at night as it has for 3 nights past. no weed few F. Fish. few Birds. I have been wonderfully favored for 3 days past by the wind halling to the northward at 8 A.M. set Studding sail low & aloft. the first time for 29 days at 12 M. Cape St Roque. by. S.W. by. W. 113 miles 3 days from the Line. I think it first rate. by having Maury's directions. I think I have shortened my passage 4 or 5 days



Abstract Log of

*Bark Tremont Captain J. S. Briggs*

Date.	Hour.	LATITUDE.	LONGITUDE.	CURRENTS.		BAROMETER.		THERM'R.		FORM AND DIRECTION OF CLOUDS.	*PROP. OF SKY CLEAR.	HOURS OF FOG A. RAIN B. SNOW C. HAIL D.	MAGNETIC VARIATION OBSERVED.	WINDS.	
				Direction.	Rate.	Height.	Ther. Att'd.	Air.	Wat'r					Direction.	Rate.
	4														
	9														
Noon.	12														
	3														
	8														
	4														
	9														
Noon.	12														
	3														
	8														
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Noon.	12														
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Noon.	12														
	3														
	8														



From *Boston* to *Pernambuco* 185 *4*

Ther. in use, No. \_\_\_\_\_

Corrections, \_\_\_\_\_

REMARKS.

{ \* "PROP. SKY CLEAR."  
3 Entirely overcast.  
10 Not a cloud to be seen.

*Nov 20<sup>th</sup> commences with moderate winds from the E.N.E. with  
passing clouds. Middle the same  
at 5 A.M. Olinda how 40. 10 miles at 9 came to anchor in  
Pernambuco outward Road 3<sup>4</sup> days 20 hours from Boston*



# Abstract Log of

[illegible]



From

Pernambuco

to

Philadelphia

Dec 1854

No. in use, No.

Directions,

## REMARKS.

\* "PROP. SKY CLEAR."  
 3 Entirely overcast.  
 10 Not a cloud to be seen.

Sunday Dec 10<sup>th</sup> 1854. at 9 a.m. got under way & proceeded to sea at 10 discharged the Pilot light and from the East & pleasant all sail set by the wind and sea account.

Dec 11<sup>th</sup> first part light winds from the East & pleasant standing on the port tack. at six P.M. spoke ship Elizabeth of Bath from China Islands for Hampton Roads light air & pleasant. latter part fine winds from the S.E. & pleasant set Topmast Studding sails. exchanged signals with an American Bark bound north.

Dec 12<sup>th</sup> all this day fine breezes & pleasant all sail set 3 Irish & 2 Antilles

Dec 13<sup>th</sup> this day fresh winds & pleasant weather. Std Sails set low aloft 3 Irish & 2 Antilles smooth sea steering W.N. by S. chance looks prosperous for a good passage.

Dec 14<sup>th</sup> all this day fresh breezes & pleasant all sail set going finely 3 Irish & 2 Antilles

Dec 15<sup>th</sup> all this day fresh winds & pleasant steering W.N. by N. plenty of 3 Irish some very large smooth sea

Dec 16<sup>th</sup> all this day fine winds & pleasant all St<sup>d</sup> sails set 3 Irish no weed no birds smooth sea

Dec 17<sup>th</sup> all this day light breezes & pleasant steering W.N. by N. 3 Irish no birds no weed smooth sea very hot sun by day & dew by night

Dec 18<sup>th</sup> first part light air from the S.E. & pleasant middle & latter part light winds from the East & pleasant. think I have crossed the doldrums few 3 Irish sea very smooth fine pleasant weather all St<sup>d</sup> sails set on starboard side



*Abstract Log of*

Bark by Tremont

*Captain*

Ja<sup>s</sup> Burgess

[illegible]



From

Pernambuco

to

Philadelphia

1854

Ther. in use, No. \_\_\_\_\_

Corrections, \_\_\_\_\_

## REMARKS.

\* "PROP. SKY CLEAR."  
 3 Entirely overcast.  
 10 Not a cloud to be seen.

- 19 Dec all this day light winds from the East & pleasant very smooth sea few Fish. Steaming N.W.
- 20 Dec this day light winds from East to N.E. & pleasant few Fish few Birds a strong S.W. current Steaming N.W.
- 21 Dec this day fine brisk N.E. trade winds smooth sea Steaming N.W. for compass few Fish. no Birds no weed squally appearances Topmast & Toppallant Stds sails set
- 22 Dec. this day fine brisk trades from the N.E. & pleasant weather Steaming N.W. Topmast & Toppallant Stds sails set few Fish no Birds no weed. smooth sea.
- 23 Dec this day fine N.E. trades pleasant weather few Fish Steaming N.W. sea very smooth Back sails heavy & loaded
- 24<sup>th</sup> Dec this day fine brisk N.E. trades weather pleasant few light squalls. Fish. few bunches of green Gulf weed saw two Ships Steaming West
- 25<sup>th</sup> Dec this day light breeze & passing clouds. fear I have lost the trade. few Fish few bunches of weed. an old sea from the East
- 26 Dec this day fresh winds & squally Studding sails & light sails furled. few Fish. plenty weed. few Birds had cross sea Back making much water pumps constantly going



## Abstract Log of

*Abstract Log of Bark <sup>by</sup> Tremont Captain J. P. Burgess*

Date.	Hour.	LATITUDE.	LONGITUDE.	CURRENTS.		BAROMETER.		THERM'R.		FORM AND DIRECTION OF CLOUDS.	*PROP. OF SKY CLEAR.	HOURS OF FOG A. RAIN B. SNOW C. HAIL D.	MAGNETIC VARIATION OBSERVED.	WINDS.														
				Direction.	Rate.	Height.	Ther. Att'd.	Air.	Wat'r					Direction.	Rate.													
27	4	24° 11'	67° 15' W	N	1/2			75	77	Cum - Str	6				Variable	5												
Noon.	9																											
	12																											
28	3																											
	8																											
	4																											
Noon.	9	25 39	66 12	N	1/4			76	77	Cui	5				SE	3												
	12																											
	3																											
29	8	do obs													SE	3												
	4																											
	9																											
Noon.	12	do obs						75	72	Cum - Str	1				SE	3												
	3																											
	8																											
30	4	do obs													South	6												
	9																											
	12																											
Noon.	3	do obs						72	72	Str	4				SW	7												
	8																											
	4																											
31	9	30 55								Str	1				SW	8												
	12																											
	3																											
1	8	31 17	67 01					70	70						SW	10												
	4																											
	9																											
Noon.	12	31 58	67 24					69	70	Str	5				SW	10												
	3																											
	8																											
2	4	31 58	67 24							Str	5				SW	10												
	9																											
	12																											
Noon.	3	33 09	69 18	N	1/2			62	67	Cum Str	5				SE	9												
	8																											
	4																											
3	9	33 09	69 18	N	1/2			62	67	Cum Str	5				SE	8												
	12																											
	3																											
4	8	35 16	71 13	N	0			66	66	Cum Str	5				SE	7												
	4																											
	9																											
Noon.	12	35 16	71 13	N	0			66	66	Cum Str	5				SE	5												
	3																											
	8																											



From

Pernambuco

to

Philadelphia 1854-5

Ther. in use, No.

Corrections,

## REMARKS.

\* "PROP. SKY CLEAR."

3 Entirely overcast.

10 Not a cloud to be seen.

27<sup>th</sup> Dec. first part fine, breezes & passing clouds  
Middle squally variable winds from the N. & N. E.  
Latter part fine breezes from the N. E. & pleasant T. M. 9<sup>th</sup> sail set

28<sup>th</sup> Dec. this day light winds & pleasant steering N. W.  
Gulf weed & fishy. Making slow progress.  
Std Sails set low & aloft

29<sup>th</sup> Dec. light breezes & passing clouds steering N. W.  
no fish few birds & weed all std sails set

30<sup>th</sup> Dec. first part fresh winds & cloudy. wind holding with the sun  
Middle & latter part fresh gales & cloudy heavy squalls  
Lost fore topsail

31<sup>st</sup> Dec. fresh gales & heavy squalls  
Bark under 2 close reefed topsails

1<sup>st</sup> Jan. fresh gales & passing clouds heavy sea. much Gulf  
weed. heading to the N. E.

2<sup>d</sup> Jan. first & middle fresh gales & passing clouds  
heavy sea at 8 P. M. wore to the right  
at 8 A. M. set reefed main sail, Jib & Spinnaker  
fresh gales & bad sea. Bark labouring heavy  
much Gulf weed few birds heading N. W.

3<sup>d</sup> Jan. fresh gales & bad sea at 4 A. M. set double reefed  
topsail great quantities of fresh weed  
steering N. W. by N. squally appearance. Ship labouring heavy

4<sup>th</sup> Jan. first part fresh winds & passing clouds & squally  
Middle squally

Latter part moderate & passing clouds all sail set  
considerable quantity of dead looking weed  
few birds



*Abstract Log of*

*Captain.*

[illegible]



Ther. in use, No. \_\_\_\_\_

Corrections, \_\_\_\_\_

## REMARKS.

\* "PROP. SKY CLEAR."  
 3 Entirely overcast.  
 10 Not a cloud to be seen.

5 Jan first part moderate breezes & smooth sea

Middle calm in the edge of the stream  
 latter part light airs & variable from the north to S E

6 Jan first part fresh breezes & squally heavy sea  
 middle fresh gales & squally at 1 a.m. in the NW edge of the stream  
 latter part fresh breezes & passing clouds  
 at 12 M Cape Henlopen bore of N by N 44 miles by chronometer



*Captain.*

[illegible]



From

to

185

Ther. in use, No. \_\_\_\_\_

Corrections, \_\_\_\_\_

REMARKS.

\* "PROP. SKY CLEAR."  
3 Entirely overcast.  
10 Not a cloud to be seen.



# Abstract Log of

[illegible]



From

Baltimore

to

River La Platte

1859.

Ther. in use, No. \_\_\_\_\_

Corrections, \_\_\_\_\_

REMARKS. August 3<sup>d</sup> 1859.

\* "PROP. SKY CLEAR."  
 3 Entirely overcast.  
 10 Not a cloud to be seen.

at 4 P.M. left the Pilot Cape Henry bearing West 3 miles pleasant weather  
 Middle pleasant fresh breezes passing clouds all sail set  
 latter part the same.

August 4<sup>th</sup> 1859, all this day fresh winds & passing clouds  
 all sail set crossed the Gulf stream smooth water Gulf weed

5<sup>th</sup> all this day fresh winds & pleasant weather all sail set  
 plenty Gulf weed & flying fish. Birds & nothing remarkable

6<sup>th</sup> all this day fresh winds & pleasant weather Gulf weed  
 all sail set going a flying following Maury's Directions  
 Nothing remarkable this day flying fish

7<sup>th</sup> August 1859 all this day pleasant breezes from the S.W. & pleasant  
 all sail set Gulf weed around few fish no birds  
 fine breeze is I can expect for the season Nothing remarkable occurred

8<sup>th</sup> August 1859. All this day light breezes from the S.W. & pleasant  
 sea smooth all sail set by the wind.  
 Gulf weed no fish no birds, getting along finely.

The Barometer has not varied at 40<sup>th</sup> since leaving.

I am now very near Lieut Maury's track try to keep it  
 experienced no currents since crossing the stream

9<sup>th</sup> August first part light air from the S.W. & pleasant  
 Middle calm

Latter part wind S.W. S.W. light air & pleasant  
 smooth sea all sail set by the wind  
 this day current 30 E.N.E. less weed than a few days past

10<sup>th</sup> August all this day light air & calm air from S.W. to S.E.  
 Mostly calm little or no weed the weather fine prospect look dark

11<sup>th</sup> August. all this day calms occasionally a light air from South  
 the Barometer keeps steady it varies not at all the most  
 singular weather I ever saw in these latitudes  
 the last 24 hours current S.W. 10 miles



# Abstract Log of

Captain

Date.	Hour.	LATITUDE.	LONGITUDE.	CURRENTS.		BAROMETER.		THERM'R.		FORM AND DIRECTION OF CLOUDS.	*PROP. OF SKY CLEAR.	HOURS OF FOG A. RAIN B. SNOW C. HAIL D.	MAGNETIC VARIATION OBSERVED.	WINDS.	
				Direction.	Rate.	Height.	Ther. Att'd.	Air.	Wat'r					Direction.	Rate.
12 <sup>th</sup>	4	33.04	55 09	SW 1/2	1/2	30.1	88	86	81	Cum	4			Calm	0
	9													Calm	0
Noon.	12													S.W.	2
	3					30.1	88	84	81	Cum	5			First Part.	2
13 <sup>th</sup>	8					30 1/100	87	82		Cum	4			SW	2
	4					30 1/100	87	82		Cum	5			South	2
	9					30 1/100	88	82		Cum	7			South	2
Noon.	12	32.20	54.06			30.14/100	86	80	81	Cum	8	at dawn		W. E.	4
	3									Cum	3			W. E.	3
14	8									Cum	3			Calm	
	4									Cum	5			Calm	
	9									Cir	5			SW	3
Noon.	12	32.33	53.08			30 15/100	86	84	81	Cir	5			SW	3
	3														
	8					30 19/100				Cum	5			SW	3
15	4													SW	3
	9														
Noon.	12	32.32	51.10			30 19/100	86	84	81	Cum	5			SW	3
	3														
16	8													SW	3
	4													South	3
	9														
Noon.	12	32.45	48.40	N.E.	1/2	30 15/100	85	83	79	Cum	4			SW	3
	3														
17	8													South	2
	4													Calm	
	9														
Noon.	12	32.29	47.14			30 15/100	86	83	79	Cum	6			South	2
	3														
18	8													Calm	
	4													Calm	
	9														
Noon.	12	32.16	46.53			30 15/100	86	82	79	Cum	6			N.E.	
	3														
19	8									Cum	6			SW	3
	4									Cum	6			SW	3
	9														
Noon.	12	30.47	46.05			30 15/100	86	81	80	Cum	6		10°	SW	4
	3														
20	8										6			SW	4
	4										6			SW	5
	9														
Noon.	12	28.29	44.44			30 5/100	84	81	79	Cum	6			N.E.	4
	3														
	8					30 5/100				Cum	6			Calm	



Ther. in use, No. \_\_\_\_\_

Corrections, \_\_\_\_\_

## REMARKS.

\* "PROP. SKY CLEAR."  
 3 Entirely overcast.  
 10 Not a cloud to be seen.

- 12<sup>th</sup> August 1859. All this day calm smooth sea pleasant weather some gulf weed; great quantities Dolphin & L. Fish. I am now mostly on Mangrove track & have been becalmed 3 days.
- 13<sup>th</sup> August first part light air from S.W. & S.S.W. & South Middle the same latter part South light air smooth sea at 11 a.m. a light squall from the N.E. with rain some weed no fish no birds tide rips.
- 14<sup>th</sup> August. first part light winds from N.E. Middle calm latter part light breezes from S.S.E. large quantities of weed, tide rips. for the last five days have not made one days good sail I think few men have been more unfortunate I must make long passage at best now. I am on the proscribed track doing my best.
- August 15<sup>th</sup> This moderate breezes from S.E. pleasant all sail set by the wind large quantities of weed no fish no birds sea smooth the Barometer rises am in hopes of a N.E. wind
- August 16<sup>th</sup> first part wind S.E. Middle South latter part S by E. pleasant weather all sail set by the wind large quantities weed. no fish no birds. to sail in sight on the wind it looks like a hard chance
- August 17<sup>th</sup> first part wind South light air Middle calm latter part light air from South pleasant weather smooth sea in company with two large clipper ships large quantities of weed
- August 18<sup>th</sup> first & Middle calm pleasant latter part light air from N.E. large quantities of weed
- August 19<sup>th</sup> first part light air & pleasant Middle fine breezes all std. sails set latter part smart breezes & pleasant I think I have the trades winds. large quantities of weed. occasionally tide rips
- August 20<sup>th</sup> first part Moderate N.E. Middle fresh N.E. latter part Moderate N.E. plenty weed occasionally tide rips. fine pleasant weather & has been so since I left Baltimore.
- August 21<sup>st</sup> first & Middle calms & light air S.E. pleasant weather



## Abstract Log of

Captain

Date.	Hour.	LATITUDE.	LONGITUDE.	CURRENTS.		BAROMETER.		THERM'R.		FORM AND DIRECTION OF CLOUDS.	*PROP. OF SKY CLEAR.	HOURS OF FOG A. RAIN B. SNOW C. HAIL D.	MAGNETIC VARIATION OBSERVED.	WINDS.	
				Direction.	Rate.	Height.	Ther. Att'd.	Air.	Wat'r					Direction.	Rate.
21	4									Cum	6			Calm	
Noon.	12	27° 26'	44° 33'			30.7/100	83	77	79	Cum	6			East	3
	3														
22	8					30.1					6			East	2
	4					30.00					6			South	2
	9														
Noon.	12	26° 44'	44° 13'			30.9/100	82	77	79	Cum	6			East	3
	3														
23	8									Cum	6			East	4
	4									Cum Cir	6			E. N. E.	4
	9													E. N. E.	5
Noon.	12	24° 34'	42° 23'			30.4	82	77	79	Cum Cir	5			E. N. E.	6
	3														
24	8					30.1				Cum	5			East	5
	4					30.1				Cir	5			E. by S.	5
	9														
Noon.	12	22° 30'	41° 24'			30.5/100	82	78	78	Cum Cir	5			E. by S.	5
	3														
25	8									Cum	3			E. by S.	4
	4									Cum	3			S. W. E.	3
	9					30.7/100									
Noon.	12	21° 06'	40° 24'			30.5/100	82	77	78	Cum	3			S. E. E. N. E.	4
	3														
26	8									Cum	4			E. N. E.	5
	4										4			E. N. E.	4
	9					30.6/100					4				
Noon.	12	19° 50'	38° 30'			30.0	82	77	78	Cum	4			E. N. E.	5
	3														
27	8									Cum	4			E. N. E.	5
	4										4			E. N. E. by S.	6
	9					29.95									
Noon.	12	17° 46'	36° 38'			29.09	82	81	79	Cum	3			N. E.	4
	3														
28	8										3			North	3
	4										3			N. W.	2
	9														
Noon.	12	16° 56'	35° 40'			29.99	85	82	80	Cum	3			S. W.	2
	3														
29	8									Cum Cir	5			S. E.	2
	4										5			S. E.	3
	9					30.01				Cum Cir	5				
Noon.	12	15° 34'	35° 11'			30.00	85	81	80	Cum Cir	5			East	3
	3														
30	8					29.95	85	83	80	Cum Cir	5			E. N. E.	4



Ther. in use, No. \_\_\_\_\_

Corrections, \_\_\_\_\_

## REMARKS.

\* "PROP. SKY CLEAR."  
 0 Entirely overcast.  
 10 Not a cloud to be seen.

August 21<sup>st</sup> 1859. Latter part light breezes from East pleasant, large quantities of weed. Tide rips. Bogus Trades.

August 22<sup>nd</sup>. first part light breezes from East & pleasant Middle South. Latter part East pleasant Barometer high. weed, & tide rips. no fish no birds.

the chance looks very unfavorable to make a fair passage. I ought to have traded in this salt at this season of the year.

August 23<sup>rd</sup> first part Moderate East. Middle & latter part fresh breezy E. & S. E. heavy sea from S. E. little or no weed very fresh trades high glass.

August 24<sup>th</sup> first part wind E by N. & by S. East passing clouds. Latter part E by S. Moderate. I fear I shall not get the trades worth of East. no weed no birds no fish. heavy sea from the S. E. the chance look hard although I am in a good position hoping for the best let her slide.

August 25<sup>th</sup> first & middle light breezes E by S. E by S. mostly cloudy. Latter part moderate E. E by S. no weed no birds no fish. in company with a clipper ship winds variable very unlike the old fashion W. E. trades.

August 26<sup>th</sup> first part fine E & S E trades Middle E & S. Moderate. Latter part fine fresh trades E & S E. pleasant passing cloud. no weed no fish no birds.

August 27<sup>th</sup> first part fine breezes E & S E. passing clouds Middle fresh W. E. & S. E. light squalls.

Latter part W. E. Moderate heavy sea from East the Barometer falls. I fear the trades is about leaving. I think this Barometer a first rate guide.

August 28<sup>th</sup> first part wind N. N. W. & W. light squalls Middle light air S. W. South. Latter part South & S. W. light air heavy swell from Eastward. This is certainly unusual to loose the trades this far North. I have had but about 4 days regular trades.

August 29<sup>th</sup> first part light air S. E. Middle E & S. Latter part light breezes East. old swell from S. E. pleasant I have not experienced any Westerly Current yet. the Barometer steady except the flood & ebb which is regular.

August 30<sup>th</sup> first part wind E & S Moderate & pleasant.



# Abstract Log of

Captain

Date.	Hour.	LATITUDE.	LONGITUDE.	CURRENTS.		BAROMETER.		THERM'R.		FORM AND DIRECTION OF CLOUDS.	*PROP. OF SKY CLEAR.	HOURS OF FOG A. RAIN B. SNOW C. HAIL D.	MAGNETIC VARIATION OBSERVED.	WINDS.	
				Direction.	Rate.	Height.	Ther. Att'd.	Air.	Wat'r					Direction.	Rate.
30	4									Bum bi	5			ESE	5
	9					29.94				Bum bi				ESE	6
Noon.	12	12° 43'	33° 58'			29.93	85	83	80	Bum bi	5			ESE	6
	3														
31	8									Bum bi	5			ESE	6
	4										4			ESE	6
	9					29.91				Bum bi					
Noon.	12	No observation				29.09	85	83	82	Bum Str	3	41		E to South	2
	3														
Sept 1	8									bi-Str	4			WSW	5
	4									bi-Str	4			WSW	6
	9					29.96									
Noon.	12	9° 40'	32° 02'			29.95	84	82	82	Bum	5			WSW	6
	3														
2	8										4			WSW	6
	4										4			WSW	5
	9					29.97									
Noon.	12	7° 52'	29° 48'	East	1 1/2	29.95	84	82	82	Bum	4			WSW	5
	3														
3	8										4			WSW	5
	4										4			WSW	4
	9					29.96									
Noon.	12	6° 50'	27° 53'	East	1 1/4	29.95	84	82	82	Bum	4			WSW	4
	3														
4	8													WSW	4
	4													WSW	1
	9					29.97									
Noon.	12	5° 53'	26° 24'	East	1	29.96	83	80	82	Bum	4			WSW	3
	3														
5th	8									bi-Str	4			WSW	4
	4										4			South	5
	9					29.96									
Noon.	12	5° 46'	25° 00'	East	1	29.95	83	80	80	bi Str	4			WSW	6
	3														
6	8										4			South	6
	4										4			WSW	6
	9					29.99									
Noon.	12	4° 19'	24° 13'	8	1	29.96	83	80	80	bi Str	4			WSW	6
	3														
7	8										4				
	4	4° 55'	22° 54'	E	1 1/4						4			WSW	5
	9					29.97					4			WSW	4
Noon.	12	4° 55'	22° 54'	E	4/4	29.95	83	80	80	bi Str	3			WSW	4
	3														
8	8	3° 58'	21° 51'	898	3/4	29.94	83	80	80	bi Str	4			South	4



Ther. in use, No. \_\_\_\_\_

Corrections, \_\_\_\_\_

## REMARKS.

\* "PROP. SKY CLEAR."  
 3 Entirely overcast.  
 10 Not a cloud to be seen.

August 30<sup>th</sup> 1859. Middle wind E & E. fine breezes  
 latter part fresh breezes E & E. no western set yet.  
 observed tide rips through this day.

August 31 first part wind E & E passing clouds. Middle E & E.  
 latter part light air & squally from E. to South light shower of rain  
 very heavy tide rips breaking & whirling equal to Clantuckett Shoals  
 or South Channell. No perceptible current. No difference in temperature

Barometer low I do not expect to see it up until past the equator calms.

September 1<sup>st</sup>. first part fresh breezes & heavy squalls from S & W  
 Middle S & W. fresh & heavy squalls. Latter part fresh breezes S & W  
 and passing clouds. very heavy S & W. Sea heavy tide rips, appearing  
 like breakers. if any current it is to the Eastward the weather  
 is so squally the course & distance is imperfect.

September 2<sup>nd</sup> first part fresh breezes from S & W & passing clouds  
 Middle fresh S & W. latter part S & W. fine breezes passing clouds  
 have experienced 36 miles Easterly current this 24 hours  
 am getting far enough to the Eastward shall expect the S. E. trade soon  
 am surprised at having a Easterly current never experienced it before.

September 3<sup>rd</sup> first part fine breezes from S & W passing clouds  
 Middle & latter part S & E moderate & passing clouds  
 experienced 30 miles Easterly current Barometer steady hope to see it  
 rise the next 24 hours

September 4<sup>th</sup> first part wind S & W moderate  
 Middle calm latter part S & W moderate current East 24 miles  
 heavy old swell from S. E. no appearance of a change.

September 5<sup>th</sup> first part moderate wind S & W  
 Middle fresh breeze from South & squally. latter part fresh  
 S & W & squally. stood 4 hours to the West. current 24  
 miles E & E. No prospect of a change. I am about discouraged  
 I cannot make western without weather. & going to the Eastward  
 mine is a hard chance

September 6<sup>th</sup> first part wind S. S. W. & South  
 Middle S & W. latter part S & W. S. S. W. light squalls 24 miles  
 Easterly current. stood 8 hours to the S & W. no prospect of a  
 change the chance looks small. the Barometer a little higher than  
 for some days past is the only indication of a change had old  
 sea from South. vessel goes slow against it.

September 7<sup>th</sup> all this day baffling winds from S & E.  
 to S & W. squally. showery. dudy. foggy. nasty weather. current 30  
 miles E & E. no prospect of a change. lost 6 miles in full  
 the D. has full power over the winds in these latitudes

September 8<sup>th</sup> first part Wind South. Middle South latter  
 part South fine breezes & pleasant weather passing clouds



## Abstract Log of

Captain

Date.	Hour.	LATITUDE.	LONGITUDE.	CURRENTS.		BAROMETER.		THERM'R.		FORM AND DIRECTION OF CLOUDS.	*PROP. OF SKY CLEAR.	HOURS OF FOG A. RAIN B. SNOW C. HAIL D.	MAGNETIC VARIATION OBSERVED.	WINDS.									
				Direction.	Rate.	Height.	Ther. Att'd.	Air.	Wat'r					Direction.	Rate.								
8th	4	3° 59'	24° 32'	SE	7/8	29.96	83	80	80	Cir St	5			South	4								
	9																					South	1
Noon.	12																						
	3																						
	8										10			South	4								
9	4													South	5								
	9										8												
Noon.	12	3° 21'	25° 25'			29.96								SE by W	5								
	3					29.95	82	81	80	Bum	9												
	8										9			SE by W	5								
10	4										4			SE by W	4								
	9																						
Noon.	12	2° 41'	23° 21'			29.95								SE by W	5								
	3					29.94	82	81	78	Bum	4												
	8										4												
11	4										4			SE by W	4								
	9					29.96					4			South	4								
Noon.	12	1° 31'	24° 36'			29.94	82	78	76	Bum	4			South	4								
	3										5												
	8										5			South	4								
12	4										5			SE by E	4								
	9					29.96																	
Noon.	12	0° 06'	26° 20'			29.94	82	79	77	Bum	5			SE by E	4								
	3																						
	8					30.00					5			SE by E	3								
13	4					29.99	82	79	77	Bum	5			SE by E	3								
	9					30.00																	
Noon.	12	01° 50' S	28° 09'			29.99	82	79	77	Bum	5			SE by E	3								
	3																						
	8										5			SE by E	3								
14	4										5			SE by E	2								
	9					30.00					5												
Noon.	12	3° 50' S	29° 37'			29.95	82	79	78	Bum	5			SE by E	3								
	3																						
	8										5			SE by E	3								
15	4													SE by E	4								
	9					30.00					5												
Noon.	12	5° 17' S	30° 47'			29.95	82	78	79	Bum	5			SE by E	4								
	3										4												
	8									Str.	4			South	5								
16	4													South	5								
	9					30.00				Str.	4												
Noon.	12	7° 26' S	32° 28'	SE	3/4	29.95	82	79	79	Str.	4			SE by E	5								
	3																						
	8									Str.	4			SE by E	5								



Ther. in use, No. \_\_\_\_\_

Corrections, \_\_\_\_\_

## REMARKS.

\* "PROP. SKY CLEAR."  
 0 Entirely overcast.  
 10 Not a cloud to be seen.

September 8<sup>th</sup> latter part fine breeze & pleasant  
 wind. South current 19 ESE.  
 September 9<sup>th</sup> first & middle pleasant fine wind. South  
 latter part wind 99 to fresh. stood 10 hours to west 8 hours to  
 W.E. no prospect of a change.  
 September 10<sup>th</sup> all this 24 hours fresh breezes from  
 SSW to W. & passing clouds. I cannot get to the South with-  
 out a different wind if I stand to the west I shall make  
 northern. I can make little southern with much more easting.  
 Mine is a hard case this is the eleventh day that the wind  
 has been dead in my teeth with a heavy head sea.  
 I have been trying for the new route & I cannot get on it without  
 making northern. I do not like to do so if I can help it.  
 September 11<sup>th</sup> first part wind SSW to W. Strong breeze passing  
 clouds. Middle & latter part South strong breezes passing clouds.  
 I think I have the trades at last I want to see the glass rise  
 to assure me of the fact hope to find the wind cant to  
 the eastward the next 24 hours. a hard chance mine truly.  
 September 12<sup>th</sup> first part wind S. middle SE. SSE fine breeze  
 latter part wind SE. SSE. light squalls & baffling. at 10 hours 30'  
 crossed the line long 26° 18' 39 days out. a hard chance I have had  
 in looking back I do not see where I could bettered it. I have made W-  
 estward whenever I could without making northern. if the wind holds here  
 a few days I shall have made a good tack by crossing as far East as I did.  
 September 13<sup>th</sup> wind SSE through light & passing clouds  
 experienced no western current. Barometer stand higher than for  
 fifteen days past I have no doubt got the trades but light & far  
 to the South I consider myself in a good position better than if I  
 had crossed in 29° or 30°.  
 September 14<sup>th</sup> all this day light baffling winds from SSE.  
 passing clouds the worst chance I ever saw to get South and now well  
 to windward of Noronka.  
 September 15<sup>th</sup> all this day wind from SSE baffling  
 a point or two in squalls. passing clouds & squally.  
 experienced no Western current. latter part fresh breezes  
 SSE to light squalls expect strong trades for a few days.  
 September 16<sup>th</sup> 1859, first & middle wind, South fresh & squally.  
 middle SSE. SSW. fresh & squally the last two day I think  
 the current has been to the SSE 3 knots per hour it has been  
 squally & baffling so I cannot be sure as to the rate I find myself farther  
 to the SSE than I expected.  
 September 17 first part fresh breezes from SSE & squally



# Abstract Log of *Bark Ocean Bride* Captain *James Burgess*

Date.	Hour.	LATITUDE.	LONGITUDE.	CURRENTS.		BAROMETER.		THERMR.		FORM AND DIRECTION OF CLOUDS.	*PROP. OF SKY CLEAR.	HOURS OF FOG A. RAIN B. SNOW C. HAIL D.	MAGNETIC VARIATION OBSERVED.	WINDS.	
				Direction.	Rate.	Height.	Ther. Att'd.	Air.	Wat'r					Direction.	Rate.
17	4									bi Str	5			W by E. 1/2 S. 1/2 E. M. P.	5
	9									bi Str	5			SE.	5
Noon.	12	9° 41' S	33° 38'			30.03	82	80	79	bi Str	5				
	3														
18	8									Cirrus	5			SE	5
	4										5			SE	5
	9					30.06									
Noon.	12	12° 29'	34° 46'	SSW 1/2 W		30.04	82	79	78	Cirrus	6			SE	5
	3														
	8									Cirrus	4			SE	5
19	4										5			SE	4
	9					30.07									
Noon.	12	15° 09'	34° 55'	SSW 3/4 W		30.06	82	79	76	Cum	5			SE 1/2 E. by S	5
	3														
	8										5			SE 1/2 E	5
20	4										5			SE 1/2 E	4
	9														
Noon.	12	17° 47'	35° 32'	SSW 3/4 W		30.07	81	78	76	Cum	5			East	4
	3														
	8										6			SE 1/2 E	4
21	4										6			SE.	4
	9					30.07									
Noon.	12	20° 03'	36° 30'	SSW 1/4 W		30.08	81	78	75	Cum	6			N E by E	4
	3														
	8										6			N E by E	5
22	4										6			N E by E	5
	9					30.00									
Noon.	12	22° 38'	38° 08'	SSW 1/2 W		29.98	80	76	73	Cum	6		2° 30'	N N E	5
	3										5				
	8					29.90				Cum	3			N N E	6
23	4					29.80				bi Str	2			N N E	6
	9														
Noon.	12	25° 13'	40° 11'			29.78	80	76	72	bi Str	1			N N E	7
	3	no obs	no obs												
	8					29.80	75			bi Str	2			SE 1/2 E to S	7
24	4					29.80	73			bi Str	0			SE	8
	9														
Noon.	12	26° 10'	40° 52'			29.90	73	71	71	bi Str	2			SE	6
	3														
	8					29.95				bi Str	4			SE	6
25	4					29.98				Cum Str	1			SE 1/2 W	6
	9					30.00									
Noon.	12	27° 35'	40° 07'			29.98	70	68		Cum Str.	5			SE 1/2 W	6
	3														
	8					30.00				Cum Str	5			SE 1/2 W	6



From

Baltimore

to

River Plate

1859

Ther. in use, No. \_\_\_\_\_

Corrections, \_\_\_\_\_

## REMARKS.

\* "PROP. SKY CLEAR."  
 0 Entirely overcast.  
 10 Not a cloud to be seen.

September 17<sup>th</sup> 1859 Middle Ghy. E. S. S. E. fresh latter part S. E. fresh & passing clouds no current

September 18 all this day fresh S. E. trades passing clouds. current 2 1/2 miles S. S. W. this the 19<sup>th</sup> day off head winds. if the wind does not cant Easterly I cannot fetch port Atrolhos Mine has been a hard chance so far

September 19<sup>th</sup> first part fresh breezes S. E. Middle fresh & calm S. S. E. cloudy & squally. latter part fresh breezes from S. S. E. & E by S passing clouds. Barometer high & steady water very low 76° I do not know the meaning of it. Studding-Sails set. the first time for twenty days.

September 20<sup>th</sup> first part Wind E by S. Moderate & pleasant middle E by S Moderate latter part Moderate East pleasant all Std Sails set smooth sea fine weather

September 21<sup>st</sup> first part wind E by S. pleasant & moderate middle Moderate S. E. latter part S. E. by S Moderate pleasant weather all sail set smooth sea. Barometer high & steady. getting along finely considering the light wind

Sept 22<sup>d</sup> all this day fresh breezes from S. S. E. & pleasant. latter part rather smookey. Barometer low current S. S. W. 1/2 miles

September 23<sup>d</sup> first part fine breezes & passing clouds S. S. E. Middle strong breezes S. S. E. cloudy. latter part fresh gales S. S. E. heavy sea & squally. cloudy & hazy bad appearance. no observation. Barometer low & falling I expect the wind from the Westward.

Sept 24<sup>th</sup> first part fresh Gales from S. S. E. to South passing clouds at 10-30 P.M. heavy squalls from S. W. accompanied with terrific Thunder & lightning heavy squalls of rain latter part moderate S. W. passing clouds Barometer low through the night

Sept 25<sup>th</sup> first part fresh Gales & heavy squall from S. W. overcast Middle Wind S. W. by W & squally latter part S. W. by W & squally. all this day under double reefs. very heavy sea. heavy squalls.

Sept 26<sup>th</sup> first part fresh Gales & heavy squall from S. W. & South heavy sea passing clouds.



# Abstract Log of

Abstract Log of *Bark Ocean Bird* Captain *James Burgess.*

Date.	Hour.	LATITUDE.	LONGITUDE.	CURRENTS.		BAROMETER.		THERM'R.		FORM AND DIRECTION OF CLOUDS.	*PROP. OF SKY CLEAR.	HOURS OF FOG A. RAIN B. SNOW C. HAIL D.	MAGNETIC VARIATION OBSERVED.	WINDS.	
				Direction.	Rate.	Height.	Ther. Att'd.	Air.	Wat'r					Direction.	Rate.
27	4					30.01					4			SE.	6
	9														
	Noon. 12	28° 29'	41° 08'			30.02	69	67	66	Cum. Str.	4			SE.	4
27	3														
	8					30.02					4			East	5
	4					30.02					4			SE.	5
28	9														
	Noon. 12	30° 39'	43° 53'			30.01	71	69		Cir. Str.	4			NE.	5
	3														
28	8					22.85					4			SE.	5
	4					22.80				Cum Str.	1	B.1		West. WSW	6
	9														
29	Noon. 12	31° 51'	45° 39'			22.95	69	67		Cir Str.	5			SW. WSW	5
	3														
	8					22.09				Cum Str.	4			SW. W	5
29	4					22.67				Cum Str.	0			West	6
	9														
	Noon. 12	33° 19'	46° 32'			22.05	67	65		Cir. Str.	2	B.1		W. NW	6
30	3														
	8					22.07				Cum Str.	4			SE.	6
	4					22.75				Cum Str.	2			SE. SE.	6
30	9														
	Noon. 12	33° 32'	48° 58'			22.92	67	65		Cir. Str.	5			SE. SE.	5
	3														
30	8					22.95				Cir Str.	5			SE.	5
	4					22.98				Cir Str.	5			SW. S.	3
	9														
30	Noon. 12	33° 08'	50° 47'			30.4/100	70	68		Cir Str.	5			SE. calm	0
	3														
	8										5			calm	0
31	4										5			calm	0
	9														
	Noon. 12	33° 37'	50° 40'			30.005	70	68		Cir Str.	5	A.2.		calm	0
3	3														
	8										2			West	2
	4										2			West	2
3	9														
	Noon. 12	34° 38'	52° 20'			30.01	70	68		Cir Str.	2			South to East	3
	3														
3	8														
	4														
	9														
3	Noon. 12														
	3														
	8														



From

Baltimore

to

River Plate,

1859.

Ther. in use, No.

Corrections,

## REMARKS.

\* "PROP. SKY CLEAR."  
 3 Entirely overcast.  
 10 Not a cloud to be seen.

September 26<sup>th</sup> 1859. Middle wind S S E & squally  
 latter part wind S E. light baffling Barometer high.  
 heavy sea from S W. dirty appearance to the S E.

September 27<sup>th</sup> first part wind East light squalls  
 middle wind E S E. passing clouds latter part wind W S  
 light squalls cloudy & clear at times. Barometer high & unsteady.  
 fluctuating one tenth weather appearing pleasant.  
 if my observations are correct I have had 30 miles S W. current

Sept 28<sup>th</sup> first part wind N W E. passing clouds fresh  
 middle wind W S W to S W. squally  
 latter part wind S W. & W S W. fine pleasant all sail by the  
 wind. latter part Barometer Steady.

Sept 29<sup>th</sup> first part wind N S W. W fine breezes passing  
 clouds. middle fresh gales & heavy squalls.  
 latter part fresh gales & squally. at 12 M. wind shifted  
 to the S E. in a squall. Barometer has been very low this  
 day now rising weather appears good just now.

Sept 30<sup>th</sup> first part wind S E. fresh & squally  
 middle S E. & S S E heavy squalls large sea  
 latter part wind South to S W. passing clouds & pleasant  
 Barometer low all the 24 hours raising latter part.

October 1<sup>st</sup> 1859. first part wind S W fine breezes  
 middle S W. S. moderate latter part light air S E. &  
 calm. at 10 a.m. Sounded 75 fathoms soft mud.  
 if my observations are correct I have had 30 miles current West

Oct 2<sup>d</sup> all this day Calms. Calms. Calms.  
 latter part light air from West. fog from 9 to 11 a.m.  
 rather a Gale or a calm. a hard chance in mind.  
 Lands-men pray pity me. toiling on the troubled Sea.

Oct 3 first part light air from West & pleasant  
 middle light air & calm West latter part moderate  
 breezes from South to East Barometer Steady.



## Abstract Log of

Bark Ocean Bird

*Captain*

James Burgess

Date.	Hour.	LATITUDE.	LONGITUDE.	CURRENTS.		BAROMETER.		THERM'R.		FORM AND DIRECTION OF CLOUDS.	*PROP. OF SKY CLEAR.	HOURS OF FOG A. RAIN B. SNOW C. HAIL D.	MAGNETIC VARIATION OBSERVED.	WINDS.	
				Direction.	Rate.	Height.	Ther. Att'd.	Air.	Wat'r					Direction.	Rate.
	4														
	9														
Noon.	12					29.09	85	83						W S E	5
	3														
23	8					29.09								W S E	5
	4													W S E	5
	9					29.09									
Noon.	12	24.18	41 14				85	83		Cir Str	5			W S E	6
	3					29.92								W S E	6
24	8													W S E	6
	4					29.92								W S E	6
	9														
Noon.	12	25.14	38 59			29.93	80	79		Cir Str	5			W S E	5
	3														
25	8													W S E	5
	4					29.94	80	79						W S E	5
	9														
Noon.	12	26.13	36 08			29.94				Cir Str	5			W S E	5
	3														
26	8					29.95	80	78						W S E	5
	4														
	9														
Noon.	12	26.51	33 21			29.96	80	78		Cir Str	5			W S E	5
	3														
27	8					29.98								W S E	5
	4													W S E	5
	9														
Noon.	12	26.51	29.43			30.00	80	78		Cir Str	5			W S E	5
	3														
28	8					29.95					5			W S E	5
	4													W S E	5
	9														
Noon.	12	26.11	27.50			29.09	80	78		Cir Str	3			W S E	5
	3														
29	8										5			W S E	5
	4										0			W S E	4
	9														
Noon.	12	25 18	26.03			29.09	80	78		Cir Str	2			W S E	5
	3														
30	8										5			W S E	4
	4										5			W S E	4
	9														
Noon.	12	24.30	23.25			30.00	80	78		Cir Str	8			W S E	4
	3														
	8														



From *Rio de Janeiro* to *Charleston S.C.* 1859-1860

Ther. in use, No. \_\_\_\_\_

Corrections, \_\_\_\_\_

REMARKS.

\* "PROP. SKY CLEAR."  
0 Entirely overcast.  
10 Not a cloud to be seen.

December 23<sup>d</sup> Sea account 18.59.

at 12 M took steam & towed down to Pay Island  
at 3 P.M. cast of steam & made sail wind a fine  
breeze & pleasant Middle & latter part the same

24 Dec. first Second & Latter part fine fresh breezes  
& pleasant weather all sail set by the wind

25 Dec all this day fresh breezes & pleasant weather  
passing clouds all sail set by the wind

26 Dec Monday all this day fresh winds & passing  
clouds all sail set by the wind

27<sup>th</sup> Dec Tuesday all this day fine breezes & passing clouds  
all sail set by the wind

28 Dec Wednesday first & middle part fine breezes & passing  
clouds all sail set by the wind Latter part fresh  
winds & squally light sail furl'd

29<sup>th</sup> Dec Thursday first part fresh winds & passing  
clouds with squalls of wind & rain.  
Middle squally rain.  
Latter part fresh breezes & passing clouds  
a hard chance to get North this look gloomy.

30<sup>th</sup> Dec Friday first part fresh breezes & cloudy  
middle moderate & passing clouds  
Latter part moderate passing clouds all sail set  
very bad chance to get North.



*Captain.*

Date.	Hour.	LATITUDE.	LONGITUDE.	CURRENTS.		BAROMETER.		THERM'R.		FORM AND DIRECTION OF CLOUDS.	*PROP. OF SKY CLEAR.	HOURS OF FOG A. RAIN B. SNOW C. HAIL D.	MAGNETIC VARIATION OBSERVED.	WINDS.	
				Direction.	Rate.	Height.	Ther. Att'd.	Air.	Wat'r					Direction.	Rate.
31		24° 05'	24° 17'			30.00								North	4
	4														
	9														
Noon.	12	24° 05'	24° 17'			30.00	82.79			Cir Str	5			North	4
	3														
1st	8													W	3
	4													N	2
	9														
Noon.	12	23° 20'	23° 00'			30.00	82.80			Cir Str	6			North	2
	3														
2a	8														
	4													Balm	
	9														
Noon.	12	23.19	23° 04'			30.00	85.82			Cir Str	8				
	3														
3	8													Balm	
	4					30.2								Balm	
	9					30.007									
Noon.	12	22.47	23° 22'			30.007	84.81			Cum	8			E. S. E.	2
	3														
4	8													E. S. E.	3
	4													Balm	
	9														
Noon.	12	21.18	24° 08'			30.007	83.80			Cum	8			E. S. E.	4
	3														
5	8													E. S. E.	5
	4													W. S. E.	5
	9														
Noon.	12	19.23	25° 07'			30.007	81.79			Cir	4			W. S. E.	4
	3														
6	8													W. S. E.	4
	4													E. S. E.	4
	9														
Noon.	12	17.34	25° 55'			30.007	81.79			Cir	6			E. S. E.	4
	3														
7	8													E. S. E.	4
	4													East	4
	9														
Noon.	12	15° 08'	27° 14'			30.003	82.80			Cir	7			E. S. E.	5
	3														
8	8													E. S. E.	5
	4													S. E.	4
	9														
Noon.	12	12° 40'	28° 29'			29.97	82.80			Cir	7			E. S. E.	4
	3														
	8														



Ther. in use, No.

Corrections,

## REMARKS.

\* "PROP. SKY CLEAR."  
 3 Entirely overcast.  
 10 Not a cloud to be seen.

- 31<sup>st</sup> Dec Saturday all this day moderate breezes from all  
 & passing clouds at 12<sup>45</sup>pm tacked to W. N. W.  
 at 6 am tacked to E. N. E. Hard road to travel.
- 1<sup>st</sup> January 1860. all this day light winds & calms  
 pleasant weather at 12 m calm. prospect looks bad.
- 2<sup>d</sup> January Monday all this day Calm pleasant weather
- 3<sup>d</sup> January <sup>Tuesday</sup> Wednesday. first & middle calm & pleasant  
 latter part light air from E. N. E. & pleasant  
 the Barometer is rising I think I have got the trades  
 I expect to have them fresh tomorrow if I get a few  
 miles more north.
- 4<sup>th</sup> Jan Wednesday first part light winds from E. N. E. & pleasant  
 middle calm  
 latter part fine breezes E. N. E. & pleasant all sail set
- 5<sup>th</sup> Jan Thursday. first fine breezes & passing clouds  
 middle light squalls  
 latter part moderate light squalls
- 6<sup>th</sup> Jan Friday all this day moderate breezes & pleasant  
 wind from W. N. E. to E. N. E. I ought to have strong winds here
- 7<sup>th</sup> Jan Saturday all this day fine breezes from E. N. E. to  
 E. S. E. pleasant weather all standing sails set. prospect is better
- 8<sup>th</sup> Jan Sunday. all this day moderate breezes and  
 pleasant weather. getting along very slow  
 heavy old sea from the S. E.



*Captain.*

[illegible]



Ther. in use, No. \_\_\_\_\_

Corrections, \_\_\_\_\_

## REMARKS.

\* "PROP. SKY CLEAR."

• Entirely overcast.

10 Not a cloud to be seen.

9<sup>th</sup> Jan. Monday. all this day fine fresh trades & pleasant weather all Std. sails set. getting along finely

10<sup>th</sup> January <sup>day</sup> Tuesday. all this day fine fresh trade winds & pleasant. passing clouds all Studing sails set. going finely.

11<sup>th</sup> Jan Wednesday all this day fine fresh trades & pleasant weather wind from E.S.E. to S.E.

at 9 am made Germondo Norons, bearing N.W. 1/2 W.  
at 12. M. the Pyramid bore N.E. dist. 8 Miles

12<sup>th</sup> January Thursday first part fine breezes & pleasant middle moderate & passing clouds latter part moderate & pleasant all Std. sails set

13<sup>th</sup> January Friday all this day moderate breezes & passing clouds heavy sea from S.E. 2 1/2 miles West current. very close sultry weather.

14<sup>th</sup> Jan Saturday first part light air E.S.E. to S.E. passing clouds. middle wind variable E. to S.E. squally much rain latter part specially rainy wind E. to E.S.E. very close sultry the Baromet<sup>r</sup> fluctuating throughout for the rainy Belt. I expect shall not expect to see it high & steady until about 4. M.

15<sup>th</sup> Jan Sunday. first & middle squally wind E.S.E. to E latter part fine fresh breezes & cloudy heavy sea from West

16<sup>th</sup> Jan Monday. first part fresh breeze & moderate squally & raining middle fine breezes & passing clouds latter part fresh & squally much rain Baromet<sup>r</sup> fluctuating on 20<sup>th</sup> all this day heavy cold sea from the North

17<sup>th</sup> Jan Tuesday first part fresh trades & squally heavy rain at 6 P.M. squally strong breeze heavy appearance took in light sails middle strong winds & squally heavy sea on the beam latter part squally not so much rain heavy sea at 11 P.M. shipped a sea which started a leak between deck.



*Captain.*

Date.	Hour.	LATITUDE.	LONGITUDE.	CURRENTS.		BAROMETER.		THERM'R.		FORM AND DIRECTION OF CLOUDS.	*PROP. OF SKY CLEAR.	HOURS OF FOG A. RAIN B. SNOW C. HAIL D.	MAGNETIC VARIATION OBSERVED.	WINDS.	
				Direction.	Rate.	Height.	Ther. Att'd.	Air.	Wat'r					Direction.	Rate.
18															
	4														
	9														
Noon.	12	09° 15' <i>South</i>	46° 20' <del>28.94</del>			29.94	81	78		Cum	4			N.E.	6
	3														
	8														
19	4														
	9														
Noon.	12	11° 19'	49° 00'	West	1/2	29.97	81	78		Cum	5			N.E.	5
	3														
	8														
20	4														
	9					30.00									
Noon.	12	13° 23'	51° 54'	West	3/4	29.97	81	78		Cum	5			E.N.E.	5
	3														
	8														
21	4														
	9														
Noon.	12	15° 21'	54° 40'	Wp		29.99	83	79		Cir Str	6			N.E.	5
	3														
	8														
22	4														
	9														
Noon.	12	17° 25'	57° 28'	Wp		30.00	83	80		Cirrus	7			N.E.	5
	3														
	8														
23	4														
	9														
Noon.	12	19° 08'	59° 53'	Wp		30.00	83	80		Cirrus	7			N.E.	4
	3														
	8														
24	4														
	9														
Noon.	12	20° 43'	62° 08'	Wp		30.00	81	78		Cir Str	6			N.E.	4
	3														
	8														
25	4														
	9														
Noon.	12	22° 28'	64° 47'	W	1/2	30.00	81	79		Cir Str	6			N.E.	4
	3														
	8														
26	4														
	9														
Noon.	12	23° 37'	66° 23'	W	1/2	30.00	81	79		Cir Str	6			N.E. to E.N.E.	3
	3														
	8														



Ther. in use, No. \_\_\_\_\_

Corrections, \_\_\_\_\_

## REMARKS.

"Prop. Sky Clear."  
 0 Entirely overcast.  
 10 Not a cloud to be seen.

18<sup>th</sup> January all this day fresh N.E. trades, light squalls heavy sea from N. to N.E. Strong tide rips from 8. to 12 a.m. latter part all standing sails set going finely. Steaming N.W.

19<sup>th</sup> January all this day fine fresh trades from N.E. to E.N.E. & light squalls occasionally. all Std<sup>s</sup> sails set going finely. I think I am in the vicinity of the Equatorial cloud ring large quantities of fish few birds no weed seen on this passage the weather has been so squally it is difficult to say whether there is a current or not N.W. & W.

20<sup>th</sup> January all this day fine fresh trades & passing clouds all standing sails set. tautly current 18 miles pleasant weather N.W. & W.

21<sup>st</sup> January all this day fine fresh trades & pleasant weather all Std sails set. going along finely. no weed seen yet plenty F. Fish. no birds N.W. & W.

22<sup>nd</sup> January first & middle fine fresh trades pleasant weather passing clouds. latter part more moderate pleasant all Std sails set. scattering bunches of Gulf weed the first seen for the passage getting along finely. Steaming N.W. & W. pr compass.

23<sup>d</sup> January. thought this day moderate & pleasant wind from N.E. to East considerable fresh weed smooth sea all standing sails set Steaming N.W. & W. pr compass.

24<sup>th</sup> January. first & middle moderate East Wind and pleasant all Std sails set. latter part Wind N.E. moderate & pleasant some bunches of Gulf weed. I fear I have about lost the trades. alltho the Glass keeps up & steady. N.W. & W.

25<sup>th</sup> January first part moderate & pleasant wind N.E. middle fine fresh breezes for a few hours N.E. passing clouds latter part moderate wind N.E. heavy old sea from North bunches of Gulf weed the clouds look as if the trades are about done. but the Glass still keeps up & steady. N.W. & W.

26<sup>th</sup> January this day moderate air from N.E. to E.N.E. & pleasant some Gulf weed few F. Fish no Birds Barometer high & steady I think the trades are done N.W. & W. pr compass.



*Captain.*

Date.	Hour.	LATITUDE.	LONGITUDE.	CURRENTS.		BAROMETER.		THERM'R.		FORM AND DIRECTION OF CLOUDS.	*PROP. OF SKY CLEAR.	HOURS OF FOG A. RAIN B. SNOW C. HAIL D.	MAGNETIC VARIATION OBSERVED.	WINDS.	
				Direction.	Rate.	Height.	Ther. Att'd.	Air.	Wat'r					Direction.	Rate.
27	4														
	9														
Noon.	12	25° 05'	68° 17'	W	1/2	30.00	81	78		Cir. Str.	5			E. to S. E.	4
	3										5				
	8										4			S. E. to S. W.	5
28	4										4			S. W.	5
	9										0				
Noon.	12	26° 44'	70° 33'	W	1/4	29.97	77	74		Cir Str	0			S. W. W. N. W. N. E.	5
	3										1				
	8										1			North. to. S. W. E.	6
29	4									Cir Str	4			S. W. E.	6
	9										5				
Noon.	12	27° 40'	72° 57'	S W	1	30.01	70	68		Cirrus	6			S. W. E.	6
	3														
	8													W E	5
30	4													East	4
	9														
Noon.	12	29° 05'	75° 04'	0 0 0	0	30.18	73	70	72	Cirrus	6			W S E	2
	3														
	8													W S E	1
31	4													East	1
	9														
Noon.	12	30° 03'	76° 25'	S W	3/4	30.01	75	72	72	Cirrus	5			East	1
	3										1			S E	4
1st	8					30.00					1			South. S W	6
	4					29.90		73			1			W. S. W.	8
	9					29.85		74			1				
Noon.	12	No Obs				29.90	70	68	25		1			W to North	8
	3					29.85					1				
	8					30.00					1			W. S. W. E	9
2d	4					30.005					1			W. S. W. E	8
	9					30.01		68			2				
Noon.	12	32° 10'				30.02	57	56			4			North	5
	3														
	8														
	4														
	9														
Noon.	12														
	3														
	8														
	4														
	9														
Noon.	12														
	3														
	8														



From

Rio de Janeiro

to

Charleston S.C.

1860

Ther. in use, No. \_\_\_\_\_

Corrections, \_\_\_\_\_

## REMARKS.

\* "PROP. SKY CLEAR."  
 3 Entirely overcast.  
 10 Not a cloud to be seen.

- 27<sup>th</sup> January first part moderate winds from N.E. to East passing clouds  
 Middle moderate wind N.E. to E cloudy showers of rain  
 Latter part wind E. to S.E. moderate pleasant quantities of weed
- 28<sup>th</sup> January first part wind from S.E. to S.W. pleasant  
 Middle wind S.W. passing clouds light squalls.  
 Latter part at 7 a.m. squall from N.W. passed ship  
 at 8 wind N.E. W. at 10 with cloudy & showery high sea.  
 Squally bad appearances. Main Top G. Sail set. Light sails in.
- 29<sup>th</sup> January first part strong winds North to N.E. cloudy rainy  
 Middle fresh wind N.E. passing clouds heavy head sea  
 Latter part fresh winds N.E. pleasant not so much sea  
 large quantities of weed. S.W. current at least 1 knot
- 30<sup>th</sup> January first part fresh breezes from N.E. bad head sea  
 Middle moderate all Studding Sails set  
 Latter part light airs from N.E. smooth sea much weed.
- 31<sup>st</sup> January all this day light airs & calms. airs from N.E. to East  
 considerable weed. appearance of a storm before long.
- 1<sup>st</sup> February first part wind S.E. pleasant fine breeze at 11 South fresh  
 at 4 a.m. S.W. at 5 W. S.W. at 6 West fresh Gale at 8 a.m. give  
 close reefed topsails at 11 a.m. wind North wore ship to the West  
 heavy sea heavy squalls in the Gulf about 8 a.m. water 73°
- 2<sup>nd</sup> February first part heavy Gale North. N.E. & E. under 2 close reefed  
 topsails heavy squalls  
 Middle more moderate double reefed topsails  
 Topsail. Latter part moderate at 11 all sail set  
 at 8 a.m. passed out off the Gulf stream



*Abstract Log of*

Bark Ocean Bird

*Captain.*

James Bruegers

Date.	Hour.	LATITUDE.	LONGITUDE.	CURRENTS.		BAROMETER.		THERM'R.		FORM AND DIRECTION OF CLOUDS.	*PROP. OF SKY CLEAR.	HOURS OF FOG A. RAIN B. SNOW C. HAIL D.	MAGNETIC VARIATION OBSERVED.	WINDS.	
				Direction.	Rate.	Height.	Ther. Att'd.	Air.	Wat'r					Direction.	Rate.
8	4													NW	5
	9													NW	5
Noon.	12	35 25	7 25			29.85				cum str	5			NW	5
	3													NW	5
	8					29.90					5			NW	5
9	4										5			NW	5
	9														
Noon.	12	34 39	10 19	SW	3/4	29.95				cum	5			North	5
	3										5			North	5
10	8										0			North	5
	4										0	2A		North	6
	9										5			North	7
Noon.	12	33 33	13 28	South	1/2	29.9				cum	5			North	7
	3														
	8										5			N by E	7
11	4					29.09								N by E	7
	9										5				
Noon.	12	31 54	17 00			29.09				cum str	5			N by E	7
	3										5				
12	8										5			North	6
	4					29.09								North	5
	9														
Noon.	12	30 45	20 10	South	1/2	29.9				cum str	5			North	5
	3														
13	8										5			NW	3
	4					29.87					6			NW	3
	9														
Noon.	12	30 02	22 04			29.87				cum	7			West	2
	3														
14	8										5			NW	1 1/2
	4										5			NW	1 1/2
	9														
Noon.	12	29 28	22 46	South	1/2	29.89				cum	7			NW	1 1/2
	3														
15	8													North	1
	4										7			N E	1
	9														
Noon.	12	28 39	23 19	00	0	29.09				cum	7			N E	1
	3														
16	8										8			N E	1
	4					29.95								Calm	
	9														
Noon.	12	28 29	24 04	North	1/2	29.95				cum str	8			S. S. W. W. S. S. W.	3
	3										6				
	8														



From

Messina

to

Boston

1861

Ther. in use, No. \_\_\_\_\_

Corrections, \_\_\_\_\_

Jan 8<sup>th</sup>

REMARKS.

1861

\* "PROP. SKY CLEAR."  
 0 Entirely overcast.  
 10 Not a cloud to be seen.

- 8<sup>th</sup> at 10 P.M. Steamer left Cape Spatth bearing S. I. W.  
 fine breezes from the N. W. & pleasant all sail set
- 9<sup>th</sup> January first part fine breezes & pleasant all sail by  
 the wind Middle N. N. W. pleasant & moderate  
 latter part fine breezes North Std. Sails set pleasant  
 current to the S. W. about 15 miles.
- 10<sup>th</sup> January first & middle fine breezes North to N. N. E. passing  
 clouds all Std. Sails set.  
 12 to 6 a.m. squally rainy furl'd light sails  
 at 8 single reefed Topsails  
 latter part fresh gales heavy sea passing clouds. W. pr compass
- 11<sup>th</sup> January all this day fresh Gales & heavy Sea from N. by E.  
 passing clouds Double reefed Topsails & reefed M. Sail.  
 passed Medania without seeing it. thick & squally.
- 12<sup>th</sup> Jan Saturday first part fresh breezes & passing clouds  
 at 4 P.M. set whole Topsails & Top-Salant sails & whole M. sail  
 Middle fresh breezes & clear from the North  
 latter part squally at 4 a.m. set Std. sails at 11 took them in
- 13<sup>th</sup> January first part fine breezes & passing cloud set Std. sails  
 Middle moderate N. W. showers Std. sails in  
 latter part light airs N. N. W. pleasant sea smooth  
 apparently in the doldrums between variables & Trades.
- 14<sup>th</sup> Jan all this day light airs from West to North variable  
 light squalls passing clouds at 8 a.m. set Std. Sails  
 abate chance to get West. I expect the Trades here at  
 out if I was 2 degrees farther south I think I should have them
- 15<sup>th</sup> Jan all this day light airs N. E. & pleasant  
 no more signs of Trades than there has been I ought to  
 have them here I fear a long passage no fish birds or weeds
- 16<sup>th</sup> Jan first & middle light airs N. E. & calm fine & pleasant  
 latter part S. S. W. N. W. fine breezes light squalls of rain  
 no appearance of Trades I should say there has been a current  
 of 12 miles to the North this day. I am much disappointed in  
 the wind it looks as if it might hold to the S. W.



*Captain.*

Date.	Hour.	LATITUDE.	LONGITUDE.	CURRENTS.		BAROMETER.		THERM'R.		FORM AND DIRECTION OF CLOUDS.	*PROP. OF SKY CLEAR.	HOURS OF FOG A. RAIN B. SNOW C. HAIL D.	MAGNETIC VARIATION OBSERVED.	WINDS.	
				Direction.	Rate.	Height.	Ther. Att'd.	Air.	Wat'r					Direction.	Rate.
17	4									Bum Str	2			S. S. W.	8
	9									Bum	5			South	6
Noon.	12	28 32	26 02'	S W	3/4	29.87	68	66							
	3														
	8					29.95					7			South	6
18	4					29.95								W. W.	5
	9										7				
Noon.	12	27 11	27 33			29.93	68	66		Bum	7			W. S. W.	2
	3														
	8													W. Y. W.	2
19	4					29.93					6			S. W.	2
	9														
Noon.	12	26 42	28 08			29.90	68	66		Bum Str	6			South	5
	3									Bum. Cir. Cum	5				
	8					29.80					6			South	6
20	4					29.75					6			South	6
	9										6				
Noon.	12	26 07	30 03			29.90	72	70		Bum Str	5			N. N. W.	5
	3														
21	8										5			N. W.	2
	4					30.00								N. W.	2
	9										5				
Noon.	12	25 20	31 14			30.01				Bum	5			N. W.	0
	3														
22	8									Bum	5				
	4					30.010				Bum	5				
	9										5				
Noon.	12	24 55	31 40			30.015				Bum	5				
	3										4				
23	8									Bum	4			S. E. and Cal.	
	4									Bum	3				
	9										3				
Noon.	12	24 37	32 02'			30.01				Bum	3			Calms	
	3														
24	8									Bum	3				
	4														
	9										3				
Noon.	12	24 41	32 20			30.003	72			Bum	3			W. S. W.	3



From

Messina

to

Boston

1861

Ther. in use, No. \_\_\_\_\_

Corrections, \_\_\_\_\_

REMARKS.

January 17<sup>th</sup> 1861,

\* "PROP. SKY CLEAR."  
 0 Entirely overcast.  
 10 Not a cloud to be seen.

- Jan 17<sup>th</sup> first part fine breeze from S.E. to South & S.W. & squally middle fresh breeze S.W. & rain & squally at 3 a.m. double reefed topsails heavy rain & squally latter part fresh breeze North top Gallant sails set passing clouds
- 18<sup>th</sup> Jan first part fresh wind North passing clouds middle & latter part W.W. West & W.S.W. to calm pleasant weather. No signs of trades I ought to have them here
- 19<sup>th</sup> Jan 1861 first & middle light airs W.S.W. to S.W. pleasant latter part South fresh passing clouds light squalls No appearance of trades the weather looks southerly instead of easterly
- 20 Jan first part fresh breeze South passing clouds. Middle South squally heavy rain at 2 a.m. Wind W.W. at 12 double reefed latter part W.W. moderate heavy old sea from W.W. No signs of trades I think there is now. a long passage
- 21 Jan 1861. all this day light airs from W.W. & calm passing clouds heavy sea from W.W. No signs of trades. I ought to have them here certainly I am almost discouraged latter part calm heavy sea W.W.
- 22 Jan 1861. all this day light airs from the E.N.E. to E.S.E. and calm heavy old sea from W.W. passing clouds the Barometer is high I hope for a change soon. the weather look gloomy I think a storm is not far off. No appearance of trades except the rising of the Glass.
- 23 Jan all this day light airs from E. E.S.E. & calm I have not seen weed for the passage. shoals of Fin back Whale the first petrel seen to-day. No prospect of wind from any quarter I am almost discouraged. Nothing but calms when shall I get a breeze. Lands-men Pray pity me.
- 24 Jan. first & middle light airs & calm S.E. E.S.E. to East cloudy. latter part moderate breezes from W.S.W. & passing clouds a bad chance to get to the westward. I am dreadful weakly. I have tried hard & don't nothing but "Whatever is, is Right"
- 25 Jan first & middle fine breezes & passing clouds all sail set latter part fresh at 12 M. single reefed topsails heavy sea from W.W. & has been for the week past a hard chance this I see no prospect of trades.
- 26 Jan first part fresh winds S.W. at 8 P.M. W.W. squally



## Abstract Log of

*Abstract Log of Bark Ocean Bird Captain*

Joel Burgess

Date.	Hour.	LATITUDE.	LONGITUDE.	CURRENTS.		BAROMETER.		THERM'R.		FORM AND DIRECTION OF CLOUDS.	*PROP. OF SKY CLEAR.	HOURS OF FOG A. RAIN B. SNOW C. HAIL D.	MAGNETIC VARIATION OBSERVED.	WINDS.	
				Direction.	Rate.	Height.	Ther. Att'd.	Air.	Wat'r					Direction.	Rate.
26	4									Burn	5			W N W	4
	9										5				
Noon.	12	22° 09'	34° 02'	0	0	30.00	76			Burn	5			North	4
	3														
27	8										5			W	4
	4													W	4
	9										5				
Noon.	12	22° 35'	36° 23'			30.00	76			Burn	5			W N E	4
	3														
28	8										5			W N E	4
	4													W N E	3
	9	I.R. 22° 40'	38° 23'			30.04	76			Burn	5			W N E	3
Noon.	12														
	3														
29	8										5			W N E	3
	4													W N E	3
	9										5				
Noon.	12	22° 15'	40° 57'			30.03	72			Burn Ste	5			W N E	2
	3														
30	8										4			W N E	3
	4									Burn Ste	4			W N E	3
	9										5				
Noon.	12	22° 05'	43° 47'	SW 1/2		30.04	74			bir Ste	7			W N E	4
	3														
31	8										8			W E	4
	4										8			E N E	4
	9										8				
Noon.	12	22° 12'	46° 31'			30.03	76 74			Burn	8			East	3
	3										9				
1.	8	February									9			East	3
	4										9			East	3
	9										9				
Noon.	12	22° 21'	48° 06'			30.04	78 76			Burn	9			East	3
	3														
2	8									Burn Ste	8			E N E	2
	4										0			East	1
	9										0				
Noon.	12	22° 24'	49° 05'			30.04	75 73			Burn Ste	1			W N E	4



From

Messina

to

Boston

1857

Ther. in use, No. \_\_\_\_\_

Corrections, \_\_\_\_\_

January

REMARKS.

\* "PROP. SKY CLEAR."  
 3 Entirely overcast.  
 10 Not a cloud to be seen.

- 1861 January 1861 Middle light squally N. by E. Latter part moderate north, heavy sea from N. by E. all sail set. little signs of Trades no weed for the passage
- 21<sup>st</sup> Jan all this day moderate breeze N. by E. passing clouds all sail set. I hope this will prove the trades at last not so much N. W. sea. no fish birds or weed.
- 28<sup>th</sup> Jan all this day light breezes N. by E. & passing clouds hardly worth calling trades no weed seen yet. where is it a long passage this. I have done the best I could no wind calms & slatt slatt I ought to be 20° farther W.
- 29<sup>th</sup> Jan all this day light winds N. by E. & passing clouds very small trades there saw a few bunches of weed one fish I think there has been a slight current to the South few light squalls. hardly worth the name of trades. I hope for the better a long passage at the best
- 30<sup>th</sup> Jan first & middle moderate & passing clouds few bunches of weed. Latter part fine breezes. it now looks like N. E. trades all estd sails set. saw Whales current to the S. W. 12 miles. the Barometer steady & has been for some days.
- 31<sup>st</sup> Jan all this day moderate winds N. E. E. by E. & East pleasant some bunches fresh weed & fish. very light Trades the upper stratum of clouds flying to N. E.
- 1<sup>st</sup> February. all this day light breeze East & pleasant quantities of Gulf weed smooth sea very light Trades all. Steaming sail set making slow progress.
- 2<sup>nd</sup> February first part light air S. E. middle calm E. E. by E. though the night lightning from the N. W. to North. at 9 a.m. squall of Thunder lightning & rain from N. by W. Latter part fine breezes from N. by E. Cloudy. much weed.
- 3<sup>rd</sup> Feb first part fine breezes N. by E. passing clouds & light squalls middle heavy squalls much lightning from N. E. at 4 a.m. all light sails in at 9 double reefed top sails reefed M. sail set Latter part fresh gales & heavy squalls much weed & fish tremendous squalls but short. a heavy North
- 4<sup>th</sup> Feb. first part fresh sails & terrific squalls from North heavy sea







From Messina

to

Boston

1851

Ther. in use, No. \_\_\_\_\_

Corrections, \_\_\_\_\_

February

REMARKS.

1861.

\* "PROP. SKY CLEAR."  
 0 Entirely overcast.  
 10 Not a cloud to be seen.

- 4 Middle fresh Gale & heavy squalls high sea  
 latter part less wind, squalls lighter. high sea abundance of weed  
 S.W. current 18 miles. abundance of F. Fish. at 12 M set single reef  
 topsails & reef out M. sail.
- 5 4<sup>th</sup> February. first part fresh breezes S.E. & squally  
 middle & latter part fresh breeze & passing clouds. Old Fashion  
 N.E. Trades. abundance fresh weed. F. Fish all sail set.  
 getting along finely. S.W. Current 12 miles.
- 6<sup>th</sup> February. all this day moderate breezes N.E. & passing clouds  
 abundance Gulf weed & F. Fish. I feel the trades are about done  
 latter part very light breezes. no current
- 7<sup>th</sup> Feb all this day light air from N.E. E. & S.E. passing clouds  
 & pleasant not so much weed as a few days past. few F. Fish  
 the trades are evidently done. now for North & westerly winds
- 8<sup>th</sup> Feb. all this day light air from S. E. & N.E. pleasant. few bunches  
 of weed. the weather look moderate & pleasant. one would  
 suppose that it never stormed here. but I know better  
 I shall expect heavy winds before long. I am making a long passage
- 9<sup>th</sup> Feb. first part light breezes clouds in the west. at 8 P.M.  
 squally in all light sails at 9 heavy Gale close reefed topsails & reefed  
 courses furled M. sail. middle more moderate turned one reef  
 out of topsails set 9th & M. sail. at 9 A.M. heavy gale. close reefed  
 topsails furled courses. latter part strong Gale Barometer going up.
- 10 Feb. all this day Strong Gale from N.E. & squally Bark under  
 two close reefed topsails & stay sails making butifull weather  
 the Barometer high & fluctuating about one 10<sup>th</sup>. I have never  
 known so high a Barometer in so heavy a Gale I think the  
 Gale about broke. the moon changes this after-noon. look for a change
- 11<sup>th</sup> Feb commences with fresh Gale heavy squalls & heavy sea  
 middle more moderate set reefed St. sail & M. sail. 9th & 10<sup>th</sup>  
 at 7 single reefed topsails whole courses less sea  
 latter part more moderate still fresh breezes some old weed
- 12<sup>th</sup> Feb first part fresh breezes E. & S. squally rainy  
 middle fresh East passing clouds at 5 A.M. set whole topsails  
 at 7 set steering sails. latter part fresh breezes passing clouds  
 abundance weed. no fish. no birds



*Captain.*

[illegible]



From

Messina

to

Boston

1857

Ther. in use, No.

Corrections,

February

REMARKS.

1867

\* "PROP. SKY CLEAR."  
 3 Entirely overcast.  
 10 Not a cloud to be seen.

- 13 February. first & middle fresh breezes South & passing clouds from 8 to 8 a. m. calm rainy. latter part fine breezes & rainy few bunches of weed.
- 14 Feb. all this day moderate breezes South & S. E. mostly cloudy showers of rain. considerable weed in scattering bunches. no Birds no Fish. the weather looks gloomy. a storm soon.
- 15 feb. first & middle fine breeze S. E. & S. E. passing clouds latter part fresh Gale South heavy sea in the Gulf Stream.
- 16 feb first part fresh Gale. at 1 P. M. passed out of the stream. much better weather at 8 made single reef top sails. Middle & latter part fine breezes & pleasant all sail set at 12 M. in 25 fathoms water on the back of Wantuckett



# Abstract Log of

Bark Ocean Bride

*Captain*

James Burgess.

Date.	Hour.	LATITUDE.	LONGITUDE.	CURRENTS.		BAROMETER.		THERM'R.		FORM AND DIRECTION OF CLOUDS.	*PROP. OF SKY CLEAR.	HOURS OF FOG A. RAIN B. SNOW C. HAIL D.	MAGNETIC VARIATION OBSERVED.	WINDS.	
				Direction.	Rate.	Height.	Ther. Att'd.	Air.	Wat'r					Direction.	Rate.
May 28		8 Sea cat													
	4														W N W 7
	9														
Noon.	12	No Obs				29.8				cir Str					W N E 1
	3										3				SE 1
	8					29.9					4				W. N. E. 1
30	4										7				West 2
	9										7				West 2
Noon.	12	41° 07'	67° 11'			30.	55	54		cir Str	8				West 3
	3														
	8					30.01									West 3
31	4														SEW 3
	9								52						
Noon.	12	39° 21'	65° 27'			30 15/100	60	59	68	cir	9				W N W 3
	3														
	8														West 1
1st	4														Calm 0
	9														
Noon.	12	39° 53'	64° 23'			30 1/100	66	64	65	cir	9				SE 1
	3														
	8														SE 1
2	4														East 1
	9														
Noon.	12	38° 58'	62° 30'			30.12	69	68	76	bu Str	6				W N. W. N. E. 3
	3														
3	8														W N W 4
	4														W N E 4
	9								74						
Noon.	12	37° 54'	59° 14'			30.01	72	70	68	cir Str	5				SE 5
	3														
4	8								74						SE 5
	4								73						SE 5
	9								73						
Noon.	12	38° 42'	57° 22'			30 00	74	72	72	cir Str	6				South 6
	3														
5	8														S 6
	4					30 500									S 6
	9														
Noon.	12	38° 03'	52° 57'	N E	3/4	30 1/100	75	73	69	cir Str	5				W N W 6
	3														
6	8														SEW 5
	4														SEW 5
	9														
Noon.	12	37° 06'	49° 50'	North	1	30.014	76	74	70	cir Str	3				W N W 4
	3														
	8														



From *Boston* to *River La Plate.* 1851

Ther. in use, No. \_\_\_\_\_

Corrections, \_\_\_\_\_

REMARKS.

*May 28<sup>th</sup> Sea act*

\* "PROP. SKY CLEAR."  
3 Entirely overcast.  
10 Not a cloud to be seen.

*28<sup>th</sup> May Sea Act <sup>Wednesday</sup> Tuesday at 2.30 P.M. Discharged Pilot & proceeded down the bay fresh Gale & pleasant set all sail*

*29<sup>th</sup> May <sup>Wednesday</sup> Thursday all this day light air from SE to SW & all around the compass passing clouds & gloomy weather all sail set smooth sea latter part pleasant*

*30<sup>th</sup> May Friday. all this day light air W. & W.S.W. & pleasant all sail set smooth sea*

*at 12 M. in the edge of the Gulf Stream 68° getting along very slow but sure.*

*1<sup>st</sup> June. all this day light air & calms W. E. S. E. pleasant sea very smooth saw a steam ship steering west getting along very slow.*

*2<sup>d</sup> June Sunday first & middle light air & calms E S E. E. pleasant sea smooth latter part moderate N.W. & N.E. passing clouds & light squalls in the Gulf all sail set by the wind*

*3<sup>d</sup> June first part moderate North passing clouds middle fine breeze & pleasant N.W. E.*

*latter part fine fresh breeze N.E. passing clouds all sail set at 9 am passed out of the Gulf Stream.*

*4<sup>th</sup> June all this day fine breeze E S E. S E & South passing clouds light squalls with showers of rain all sail set head sea*

*5 June. all this day fresh breeze from S. to S S W. passing cloud at 4 a.m. squally faked Top Ballontails outer Gills & S. Topsail at 8 set them fresh breeze passing clouds rough head sea then appears to have been a N.E. current of 3/4 a mile per hour*

*6 June all this day fine fresh breeze S S W. S W. & W S W. passing clouds & squalls of rain at 8 am set Sta Sails sea smooth the current appears to set North 2 1/2 miles*



# Abstract Log of

Bark Ocean Bride

*Captain*

James Burgess

Date.	Hour.	LATITUDE.	LONGITUDE.	CURRENTS.		BAROMETER.		THERM'R.		FORM AND DIRECTION OF CLOUDS.	*PROP. OF SKY CLEAR.	HOURS OF FOG A. RAIN B. SNOW C. HAIL D.	MAGNETIC VARIATION OBSERVED.	WINDS.	
				Direction.	Rate.	Height.	Ther. Att'd.	Air.	Wat'r					Direction.	Rate.
VI	4													WNW	4
	9														
Noon.	12	36°00'	47°52'			30.014	76	74	72	Cir Str	5			North	3
	3														
8	8													WNW	2
	4													Calm	
	9														
Noon.	12	35°19'	47°10'	South 1/2		30.012	77	74	72	Cir Str	6			SW	2
	3														
	8													WSW	2
	4													SW	2
	9														
Noon.	12	34°16'	45°17'	East 1		30.01	78	76	73	Cir Str	6			SW	3
	3														
	8													SW	4
10	4													SW	4
	9														
Noon.	12	32°44'	42°36'			30.013	77	75	73	Cir Str	7		23 W	SW	1
	3														
	8													SW	3
11	4													SW	3
	9														
Noon.	12	31°29'	41°03'			30.015	77	76	73	Cirrus	8		23 W	WSW	3
	3														
12	8														
	4														
	9														
Noon.	12	30°24'	40°05'			30.016	77	76	73	Cirrus	9		23 W	WSW	2
	3														
13	8														
	4													Calm	
	9													Calm	
Noon.	12	29°33'	39°40'			30.017	79	78	73	Cir Str	9		23 W	WSW	1
	3														
14	8													West. NW	1
	4													Calm	
	9														
Noon.	12	29°04'	39°36'			30.02	82	81		Cir Str	9			N.E.	1
	3														
15	8													NE	1
	4													SESE	2
	9														
Noon.	12	27°32'	39°04'			30.017	80	78	74	Cir Str	4			ENE	2
	3														
	8														



From Boston

to

River Plate

1851

Ther. in use, No. \_\_\_\_\_

Corrections, \_\_\_\_\_

REMARKS.

June 7<sup>th</sup> 1861

\* "PROP. SKY CLEAR."  
 0 Entirely overcast.  
 10 Not a cloud to be seen.

- 7<sup>th</sup> June 1861 Friday. all this day moderate breezes W & W. W. W. North & passing clouds. light squalls of rain smooth sea all sail set current to the North.
- 8<sup>th</sup> June all this day light airs & calms W. W. S. W. pleasant all sail set sea smooth. Current South 8 miles
- 9<sup>th</sup> June. Sunday. this day light breezes S. W. pleasant all sail set smooth sea current to the East 24 miles abundance of weed. a Brig in sight steering S. E. the obs. makes me 30 or 40 miles to the Eastward of the reckning. there must be a current not noticed by me before.
- 10<sup>th</sup> June all this day fine breezes S. W. & pleasant. smooth sea all sail set. large quantities of fresh weed
- 11<sup>th</sup> June all this day light breezes & pleasant S. W. smooth sea few passing clouds. No Gulf weed. two sail in sight. one steering to the W. E. the other S. by E.
- 12<sup>th</sup> June. all this day light airs W. S. W. & pleasant all sail set smooth sea scattering bunches of weed two sail in sight steering S. by E.
- Fourteen days out & no farther along.
- 13<sup>th</sup> June. all this day light airs W. S. W. & pleasant all sail set smooth sea scattering bunches of weed two sail in sight steering S. by E.
- Fifteen Days out. I ought to be in 20°
- 14<sup>th</sup> June all this day light airs & calms W. S. W. sea smooth five sail in sight steering South few bunches of weed. it looks more like a breeze than 24 hours since.
- Sixteen days out
- 15<sup>th</sup> June. all this day light airs & calm W. W. calm. S. E. middle squalls of rain. at 3 P. M. spoke Bark Scotland of Boston from Cuba for San Francisco 30 days out. latter part sun very scalding. scattering bunches of weed. two sail in sight steering South. 17 days out
- 16<sup>th</sup> June all this day light airs W. E. S. E. first part pleasant passing clouds. middle & latter part overcast & smoky bunches of fresh weed. one sail in sight steering S. by E.
- 17<sup>th</sup> June first part moderate E. W. E. to East smoky & overcast smooth sea all sail



# Abstract Log of

*Captain.*

[illegible]



Ther. in use, No. \_\_\_\_\_

Corrections, \_\_\_\_\_

## REMARKS.

\* "PROP. SKY CLEAR."  
 3 Entirely overcast.  
 10 Not a cloud to be seen.

- 16 June 1861. Middle moderate E. & E. in company with the Scotland.  
 Latter part East moderate pleasant scattering weed all sail
- 17 June all this day fresh breeze E by S. E. & E. passing clouds & pleasant all sail set by the wind. all but W. & E. trades. in company with the Bark Scotland. 20 days out
- 18<sup>th</sup> June this day fresh breeze first & middle S. E. fresh passing cloud light squalls & smooth sea. all sail set by the wind. Latter part wind E. & E. fresh passing clouds. some sea the Bark very crank makes leeway. 21 days out
- 19 June all this day fresh breeze E by N. pleasant passing clouds rough sea Royals in. light squalls. smoky appearance no weed. no birds. no fish. no sails in sight. twenty two days out.
- 20 June all this day fresh breeze E. & E. smoky appearance passing clouds. some sea. light sails in. strong breezes Bark crank 23 Days Out. All well.
- 21 June all this day fresh breeze E. & E. & passing clouds through the day smoky. & night foggy. no fish. no birds. no weed. no sails. 24 days out.
- 22<sup>d</sup> June all this day fine fresh breeze mostly E. & E. passing clouds smooth sea. few fish. few birds at 12 M. saw two ships steering North. all sail set by the wind. Steering S. E. & E. 25 Days out. light set to the S. E. & E.
- 23 June first part light breeze. calms. rain squalls. E. & E. to E. & E. calm. middle light air E. & E. & calms rain squalls. sea from all directions latter part light air & calms E. & E. all sail set by the wind current 36 miles S. E. & E. several sail bound north
- 24 June all this day light air E. & E. W. & E. W. & E. pleasant passing clouds. sea from all quarters. all old sails set. a Schooner steering S. E. no fish no birds. current 12 miles East. 27 days out.
- 25 June first part fine breeze N. E. & E. pleasant passing clouds all steering sails set



# Abstract Log of *Park Ocean Bria* Captain *J. Burgess*

Date.	Hour.	LATITUDE.	LONGITUDE.	CURRENTS.		BAROMETER.		THERM'R.		FORM AND DIRECTION OF CLOUDS.	*PROP. OF SKY CLEAR.	HOURS OF FOG A. RAIN B. SNOW C. HAIL D.	MAGNETIC VARIATION OBSERVED.	WINDS.	
				Direction.	Rate.	Height.	Ther. Att'd.	Air.	Wat'r					Direction.	Rate.
25	VI										5	5		N E	3
	4														
	9														
Noon.	12	7°36'	27°00'			29.92	83	81	80	bi St	0			S. S W	3
	3														
26	8											B 8			
	4											B 4			
	9														
Noon.	12	7°44'	26°35'			29.94	83	81	80	bi St	2	B 5			
	3										1				
	8										1				
27	4										3				
	9										4				
Noon.	12	7°36'	25°46'			29.96	83	84	80	bi St	8				
	3														
28	8														
	4														
	9														
Noon.	12	6°56'	26°00'			29.09	84	83	80	bi St	5				
	3														
29	8														
	4														
	9														
Noon.	12	6°50'	24°23'	North 1 3/4		29.93	83	80	80	bi St	2				
	3														
30	8														
	4														
	9					29.95									
Noon.	12	6°35'	25°13'			29.94	82	80	80	bi St	1				
	3	D.R.	D.R.												
1	8														
	4					29.96									
	9														
Noon.	12	6°12'	24°10'	N E 3/4		29.96	82	80	80	bi St	2				
	3														
2	8														
	4					29.96									
	9														
Noon.	12	5°06'	23°54'	E S E 3/4		29.95	82	80	80	bi St	2				
	3														
3	8														
	4														
	9					29.98									
Noon.	12	3°58'	24°05'	South 1 1/4		29.97	84	83	80	bi St	6				
	3														
	8														

*all around the compass*

*calm*

*S. S W*

*S. S W*

*S. S W*

*S. S W*

*South*

*S. S W*

*S. S W*

*S. S W*

*S. S W*

*S. S W*

*S. S W*

*S. S W*

*S. S W*

*S. S W*

*S. S W*

*S. S W*

*S. S W*

*S. S W*

*S. S W*

*S. S W*

*S. S W*

*S. S W*

*S. S W*

*South*

*S. S W*

*S. S W*

*South*

*South*

*South*

*S. S W*

*S. S W*



From

Boston

to

River Plate

1851

Ther. in use, No. \_\_\_\_\_

Corrections, \_\_\_\_\_

REMARKS.

June 25. 1861.

\* "PROP. SKY CLEAR."  
 0 Entirely overcast.  
 10 Not a cloud to be seen.

- 25 June. Middle fine breeze passing clouds clear. Latter part wind S. S. W. W. raining at 11 Tacked to S. E. E. 28 Days Out. the chance looks Dubious just now.
- 26 June first & middle calms fresh breezes heavy squalls S. S. E. S. W. and all around the compass heavy rain half sea from S. E. Latter part light airs & calms S. S. W. one ship bound South Easterly current. 29 Days out. the prospect looks bad.
- 27 June first part light airs & calms heavy rain. Middle fine breeze S. S. E. passing clouds. Latter part fine breeze S. S. E. pleasant at 7.30 a.m. tacked to S. W. high sea all day from S. E. some lightning in S. E. the wind has a trade like appearance 30 Days out.
- 28 June first & middle light airs S. S. E. & South passing clouds all sail by the wind. Latter part light airs S. S. W. at 3 a.m. tacked to S. E. some sea from South this is a hard chance sure. 31 Days Out
- 29 June all this day. fine breeze S. S. W. squally & rainy heavy sea from South. light sails in the current has set 40 miles worth. have been heading from S. E. to S. E. by South a good breeze & made but 6 miles South. a hard chance surely 32 Days out.
- 30 June all this day light airs S. S. W. & calms squally with rain most of the time. heavy sea from the South. light sails in stood 20 hours to S. at 11 a.m. light air W. heavy rain. 33 days Out. Pray Pity me.
- 1<sup>st</sup> July this day light airs & calms W. S. E. South. S. W. raining. it seems impossible to get to the south. the light airs are only enough to stem the current. heading South I make a S. E. course. 34 Days Out. Current to the W. E. 20 miles.
- 2<sup>d</sup> July 1861. this day fine breeze S. S. W. S. W. Latter part South passing clouds at 9 A.M. tacked to W. S. W. Royal in. some flying fish. current 20 miles S. S. E. weather very dull. 35 Days out. hard chance to get South.
- 3<sup>d</sup> July this day moderate breezes mostly South passing clouds pleasant weather. few light squalls. Latter part Trade like appearance. Current 30 miles South. I hope the worst is over. L. Fish. & Scipp Jacks. have been wonderfully favoured by a South current heading W. S. W. & made a S. W. course. 36 days out.



*Abstract Log of*

Abstract Log of *Barb Ocean Bride* Captain *J. L. Burgess*

*Captain*

Ad Burgess

Log of														WINDS.	
Date.	Hour.	LATITUDE.	LONGITUDE.	CURRENTS.		BAROMETER.		THERM'R.		FORM AND DIRECTION OF CLOUDS.	*PROP. OF SKY CLEAR.	HOURS OF FOG A. RAIN B. SNOW C. HAIL D.	MAGNETIC VARIATION OBSERVED.	WINDS.	
				Direction.	Rate.	Height.	Ther. Att'd.	Air.	Wat'r					Direction.	Rate.
VII															
4	4														
	9					30.00									
Noon.	12	22°N	25°28'W	South	1/2	29.98	84	84	79	Cir Stc	8			SSS	4
	3														
	8														
5	4														
	9														
Noon.	12	00°29'N	27°27'W	S.W.	3/4	29.96	84	84	79	Cir Stc	8			SSE	4
	3														
	8														
6	4														
	9					30.01									
Noon.	12	1°11'S	29°23'W	W	3/4	30.00	84	83		Cir	8			SSS	5
	3														
	8														
7	4														
	9					30.01									
Noon.	12	3°00'S	30°17'			30.00	84	83		Cirrus	8			SSS	5
	3														
	8														
8	4														
	9					30.00									
Noon.	12	5°36'	31°12'W	W	1/2	29.96	84			Cirrus	8			SSS	6
	3														
	8														
9	4														
	9					30.00									
Noon.	12	08°10'	31°24'W	W	1/2	29.97	84	82		Cirrus	8			SSS	6
	3														
	8														
10	4														
	9					30.04									
Noon.	12	10°26'	32°23'	O.O.O.		30.02	81	80		Cirrus	8			SSS	6
	3														
	8														
11	4														
	9					30.05									
Noon.	12	12°32'	33°46'W	W	3/4	30.04	81	79		Cirris	8			SSS	6
	3														
	8														
12	4														
	9														
Noon.	12	14°10'	35°04'	O.O.O.		30.05				Cir Stc	4			SSS	4
	3														
	8														



From *Boston* to *River Plate*

1851

Ther. in use, No. \_\_\_\_\_

Corrections, \_\_\_\_\_

REMARKS.

July 4<sup>th</sup> 1861

\* "PROP. SKY CLEAR."  
0 Entirely overcast.  
10 Not a cloud to be seen.

- 4<sup>th</sup> July 1861. all this day fine breezy S. S. E. pleasant. passing clouds. all sail by the wind. I think I have the trades at last current South 12 miles few S. Fish. I expect strong trades for a few days the Glass is rising a sure guide. 37 Days out.
- 5<sup>th</sup> July all this day fine breezy S. S. E. & pleasant passing clouds getting along finely. a comet in sight the 30<sup>th</sup> last evening in the A. M. W. very bright. 38 Days Out. & near the line.
- 6<sup>th</sup> July all this day fine fresh trades S. E. by N. to S. S. E. pleasant at 9 P. M. on the Equator Long 28° 05'. 38 days 9 hours from Boston latter part fresh breezes some sea. unless the wind shifts I cannot fetch to windward of Fernando Norona Current 20 miles West.
- 7<sup>th</sup> July all this day fine fresh trades S. S. E. to S. E. pleasant getting along finely. No Current this day. the wind coming to the Eastward. 40 Days Out. & all well.
- 8<sup>th</sup> July all this day fresh trades S. S. E. passing clouds & pleasant Royals in S. Fish. current West 36 miles. I well to windward Fernando Norona going along finely by the wind. 41 Days Out.
- 9<sup>th</sup> July all this day fresh trades S. S. E. & S. E. pleasant light sails in by the wind. no free breezes for me. at 10 A. M. passed a Schoer steaming South by the wind. Current W. 12 miles the comet in sight night. it is bound South at a great rate.
- 10<sup>th</sup> July All this day fresh trades & pleasant weather light sails in by the wind of course. No Current. the wind hangs obstinately to the South. expect it to cant soon. the Comet still in sight bound south
- 11<sup>th</sup> July all this day fresh trades & pleasant. bad sea. light sails in. Current 20 miles West the wind hangs far to the south. at 12 M. passed a U. S. Brig steaming North. 44 Days Out.
- 12<sup>th</sup> July first & middle fine breezy S. S. E. pleasant latter part South light cloudy. all sail by the wind of course I did not expect a South wind here. 45 Days Out.
- 13<sup>th</sup> July first part light airs S. S. E. & calm



# Abstract Log of

Bark Ocean Bride

*Captain*

Ja<sup>s</sup> Burgess

[illegible]



From

Boston

to

River Plate

1851

Ther. in use, No.

Corrections,

REMARKS.

July 1861

\* "PROP. SKY CLEAR."  
 3 Entirely overcast.  
 10 Not a cloud to be seen.

- 13<sup>th</sup> July 1861. Middle & latter part light breezes & calm. S & E. middle light squalls. poor prospect no trades. 46 Days out.
- 14<sup>th</sup> July this day fine breezes S.E. & E. pleasant latter part strong sea from S.W. the wind hangs to the South. 47 Days Out.
- 15<sup>th</sup> July this day moderate breezes S.E. & E. pleasant all sail set old swell from the S.W. S. Fish. at 8 a.m. set top mast Sta Sail. first time for 20 Days. Southerly current 12 miles. 48 Days Out.
- 16<sup>th</sup> July all this day moderate E & E. latter part light squalls & calm. bad chance truly. the First Cape Pigeon seen to-day. 49 Days Out & no farther along. bad luck truly.
- 17<sup>th</sup> July first part wind light S.E. Middle East. latter part W. & passing cloud light squalls of rain. No current. all ~~std~~ sails set squally appearances. 50 Days Out.
- 18<sup>th</sup> July first & middle light breezes W. & passing clouds. all steering sails set. latter part W. & W. & calm. 6 to 8 heavy rain squally appearances. the trades have done if I have had any! I have had 3 days strong S.E. wind & that is all the trades I have had. at 12 a clipper in sight steering N.E. 51 Days Out.
- 19<sup>th</sup> July first part light air W. W. & W. & calm. Middle & latter part fresh breezes S.E. & E. passing clouds the air is dry & Barometer high. bad prospect in view. Mine has been an uncommon hard chance. poor trades both North & South the Line. 52 Days Out. I ought to been there now.
- 20<sup>th</sup> July first part light breezes S.W. passing clouds. Middle South light pleasant. latter part S.E. light pleasant. Current light set South. 53 Days Out. & no farther along.
- 21<sup>st</sup> July this day moderate breezes S.E. & E. & East pleasant. steering sails set. Current to the South 18 miles. Smooth sea 54 Days Out. all well.



*Bride*  
**Abstract Log of *Bark Ocean* Captain *J. P. Burgess***

Date.	Hour.	LATITUDE.	LONGITUDE.	CURRENTS.		BAROMETER.		THERM'R.		FORM AND DIRECTION OF CLOUDS.	*PROP. OF SKY CLEAR.	HOURS OF FOG A. RAIN B. SNOW C. HAIL D.	MAGNETIC VARIATION OBSERVED.	WINDS.	
				Direction.	Rate.	Height.	Ther. Att'd.	Air.	Wat'r					Direction.	Rate.
22															
VII	4													N.E.	5
	9													N.E.	5
Noon.	12	29° 22'	45° 44'	South	1/4	30.00	74	72		Cir Str	7			N.E.	5
	3														
23	8					29.95								N.E.	5
	4					29.9								N.E.	5
	9					29.85									
Noon.	12	31° 20'	47° 48'			29.85	70	68		Cur Str	1			North. W. W. W.	5
	3					29.75					6			N.W. W. W.	6
24	8					29.8					0			S.W. S.W.	9
	4					29.85					3				
	9	32° 15'				29.85					3				
Noon.	12	32° 15'	47° 24'			29.8	62	60		Cur Str	3			S.W. W. W.	9
	3					29.85					4				
25	8					29.89					4				
	4					29.95					4				
	9					30.00					5				
Noon.	12	31° 58'	47° 54'			30.00	64	62		Cur Str	5			S.W. by W.	5
	3										6				
26	8										10			W. by S.	5
	4										10			W. S.W.	4
	9										8				
Noon.	12	32° 53'	48° 20'	South	1/4	30.05	64	62		Cur Str	8			W. N. W.	5
	3										9				
27	8										9			W. N. W.	5
	4					30.05					9			W. W. W.	5
	9										9				
Noon.	12	34° 17'	49° 17'	South	1/4	30.03	66	64		Str	9			W. N. W.	5
	3										9				
28	8					30.00					8			N.W.	6
	4					29.95					8			N.W. W.	6
	9					29.93					7				
Noon.	12	35° 05'	51° 36'	South	3/4	29.9	67	65		Cur Str	7			N.W. W.	6
	3										4				
29	8					29.9					3			N.W. W.	6
	4										0			N.W. W.	6
	9										1				
Noon.	12	35° 09'	53° 27'			29.95	61	59		Cur Str	6			W. S.W. South	1
	3														
28	8	August 1861 sailed from Montevideo												N.W.	5
	4													Calm N.W.	5
	9													S.E. Calm	4
Noon.	12	of East Point Maldonado												S.E.	4
	3														
	8													S.E. S.E. S.	5



From

Boston

to

River Plate

1861

Ther. in use, No. \_\_\_\_\_

Corrections, \_\_\_\_\_

REMARKS.

July 23<sup>d</sup> 1861

\* "PROP. SKY CLEAR."  
 0 Entirely overcast.  
 10 Not a cloud to be seen.

- 22<sup>d</sup> July 1861. this day fine breeze N.E. passing clouds  
 all steering sails set. pleasant weather, the Barometer falling  
 the moon full this day. Expect a storm soon. 55 Days Out.
- 23<sup>d</sup> July first & middle fine breezes N.E. & N.W.E. passing clouds  
 latter part N.W.W. clouds & rainy bad appearances some  
 thunder & lightning Barometer low & falling. Expect N.W. wind
- 24<sup>th</sup> July first part fresh gale S.W. & S.W. heavy rain at 4 P.M. shifted  
 to S.W. heavy rain double reefed at 7 two close reefed topsails.  
 middle heavy gale & squalls. latter part strong gale S.W. & S.W.  
 heavy squalls. under two close reefed topsails. 57 Days Out.
- 25<sup>th</sup> July first part heavy gale heavy squall S.W. to W.S.W. raining  
 middle more moderate at 4 P.M. wore to the W.W.W.  
 latter part moderate S.W. by W. passing clouds. Not much sea  
 the current appears to be to the South & West the rate I cannot ascertain
- 26<sup>th</sup> July this day fine breezes W.S.W. & W.W. pleasant, no sea.  
 all sail set by the wind. no Current. at 12 M. saw a ship  
 steering to the East. 59 Days Out. I am quite discouraged.
- 27<sup>th</sup> July all this day fine breezes W.W. & pleasant bad short  
 sea from west. all sail by the wind. hard chance sea  
 Current to the South 60 Days Out.
- 28<sup>th</sup> July all this day fresh breezes N.W. to S.W. passing clouds  
 light sails in. Current to the South 20 miles  
 61 Days Out. Bad luck show
- 29<sup>th</sup> July first & middle fresh breezes mostly overcast N.W.  
 at 4 a.m. West. 6 S.W. & South light air & calms. through the  
 night foggy. all the latter part smoky. a Brig in sight  
 bound up to appearances. at 7 a.m. 26 fathoms. b.w. red sand  
 at 12. 22 fathoms fine b. & white sand. at 12 M. very light air south.
- 28<sup>th</sup> August at 1 P.M. Sea account sailed from Montevideo  
 wind fresh from N.W. middle calm  
 latter part fresh breezes S.E. at 12 of East point Maldina
- 29<sup>th</sup> August first part fresh breezes S.E. & S.E. & East



*Abstract Log of*

Bark Ocean Bird

*Captain.*

James Burgess

Abstract Log of <i>U.S.S. Albatross</i> Captain <i>John P. Smith</i>																
Date.	Hour.	LATITUDE.	LONGITUDE.	CURRENTS.		BAROMETER.		THERM'R.		FORM AND DIRECTION OF CLOUDS.	*PROP. OF SKY CLEAR.	HOURS OF FOG A. RAIN B. SNOW C. HAIL D.	MAGNETIC VARIATION OBSERVED.	WINDS.		
				Direction.	Rate.	Height.	Ther. Att'd.	Air.	Wat'r					Direction.	Rate.	
VIII																
	4					30.00									SE	5
	9															
Noon.	12	36 18 S	54.23 W	NW	2	29.96	56			bi Str	5				SE	5
	3															
	8														SE.	5
30	4					29.90									SE. N. SW	2
	9															
Noon.	12	35 45	52 22			29.92	58 56			bi Str	6				SE W	5
	3															
	8														SE W.	5
31	4														SE	4
	9															
Noon.	12	34 20 S	49 55			29.98	62 60			bi Str	8				SE by W	3
	3															
	8														SE	3
1	4														West	2
	9															
Noon.	12	33 15	48 18			29.97	65 63			bi Str	8				N by E	2
	3															
	8					29.90									SE. N. E.	4
2	4					29.80									E. SE. N. SE.	4
	9					29.70										
Noon.	12	No Obs				29.63	63 63			bi Str	2				E. SE. N. E. N.	6
	3					29.70										
	8					29.80									South	8
3	4					29.90									South	8
	9					29.95										
Noon.	12	30 56	44 23			30.00	62 60			Cum	5				South	7
	3					30.05										
	8					30.08									South	6
4	4					30.1									South	6
	9					30.15										
Noon.	12	28 51	42 15			30.15	64 62			bi Str	6				SE.	2
	3					30.12										
	8					30.08										
5	4					30.1									Calm	
	9					30.09									East	2
Noon.	12	27 11	42 18			30.08	68 66			bi Str					SE	4
	3					30.06										
	8					30.04									E.	5
6	4					30.00									SE	6
	9															
Noon.	12	No Obs				29.85	68 66			bi Str					SE	6
	3															
	8														SE	6



From Montevideo

to

Biston

1851

Ther. in use, No.

Corrections,

REMARKS.

August 29<sup>th</sup> 1861

\* "PROP. SKY CLEAR."  
 3 Entirely overcast.  
 10 Not a cloud to be seen.

- 29 August 1861. Middle fresh breezes passing clouds  
 Latter part fresh breezes smookey. Bad communcement.
- 30<sup>th</sup> first part fresh breezes N.E. Middle N.E. N. S.W. variable & calm  
 Latter part fresh breezes S.W. smookey passing clouds  
 at 8 a.m. set Stearingsails & m. Royal. Dr. Mate Sick  
 there appears to be a S.E. current. the winds have been so baffling I cannot tell
- 31<sup>st</sup> August. first part fresh breezes S.W. pleasant all sail  
 Middle S.W. Latter part S.W. by N. moderate  
 all std sails set pleasant weather
- 1<sup>st</sup> Sept 1861. first part wind S.W. moderate. Middle West  
 Latter part S.W. by E. moderate gloomy appearances  
 all sail by the wind. the Barometer fluctuating a 1/20 for 12 hours  
 I look for a storm soon
- 2<sup>d</sup> Sept. first part Moderate N.E. & S.E. heavy appearances  
 Middle E. & S.E. Moderate heavy rain terrific lightning & Thunder  
 heavy clouds all around. at 4 A.M. close reefed Topsails Moderate  
 & fresh squalls. wind baffling 6 points Latter part fresh E., S.E., N.E., & W.
- 3<sup>d</sup> Sept first & middle Strong Gale south squalls of rain  
 at 4 P.M. one reef out of Topsails. Some sea. Latter part  
 South fresh Gale. at 8 A.M. Single reefed Topsails & T. G.  
 sails long heavy sea going fast 9 or 10 knots. weather pleasant
- 4<sup>th</sup> Sept first & middle Strong breezes & passing cloud South  
 at 12 Night set whole Topsails & all light sails  
 Latter part light airs. S.E. & calm. 8 Days out.
- 5<sup>th</sup> Sept first part calm pleasant  
 middle light airs East cloudy all sail set by the wind  
 Latter part fresh breezes S.W. passing clouds 2 royals in  
 I ought to be 3° farther East. I fear I cannot fetch by the cap  
 9 Days Out.
- 6<sup>th</sup> Sept first part fresh breezes East passing clouds  
 Middle Strong breezes E.W. squally at 12 Night 2 reefed Topsails  
 Latter part strong Gales N.W. squally high sea. reefed mainsail & spanker
- 7<sup>th</sup> Sep first part fresh Gales N.E. high sea double reefed Topsails.



# Abstract Log of *Bark Ocean Bird* Captain *Jas. Burgess*

Date.	Hour.	LATITUDE.	LONGITUDE.	CURRENTS.		BAROMETER.		THERM'R.		FORM AND DIRECTION OF CLOUDS.	*PROP. OF SKY CLEAR.	HOURS OF FOG A. RAIN B. SNOW C. HAIL D.	MAGNETIC VARIATION OBSERVED.	WINDS.	
				Direction.	Rate.	Height.	Ther. Att'd.	Air.	Wat'r					Direction.	Rate.
IX	4										0			W N E	6
	9													W N E	3
	Noon. 12	26° 44'	40 12			29.9	76 74			Bi Ste	2			W N E	4
	3					29.85								W N E	6
	8					29.80								W N E	7
	4					29.75								W N E	7
	9					29.73								W N E	7
	Noon. 12	26 06 05				29.7	74 72			Bi Ste	0			W N E	7
	3					29.7					0			W N E	7
	8					29.8					0			South	2
IX	4					29.9					2			South	3
	9					30.0					4			South	3
	Noon. 12	25° 50'	37 09'			30.1	73 71			Bi Ste	6			South	4
	3													South	4
	8													SE	6
	4													SE	6
	9													SE	6
	Noon. 12	23° 11'	35 34'			30.10	74 72			Bi Ste	5			SE	6
	3													SE	5
	8					30.10								East	5
IX	4					30.09								W E	4
	9					30.08								W E	4
	Noon. 12	20° 49'	35 08'			30.05	76 74			Bi Ste	3			W E	4
	3					30.00								W E	3
	8					29.99								W E	3
	4					29.98								W E	3
	9					29.96								W E	3
	Noon. 12	19° 12'	36 00'			29.94	79 77			Bi Ste	5			W E	2
	3													W E	2
	8									Bi				W E	2
IX	4													W E	2
	9					29.99								W E	2
	Noon. 12	19° 32'	34 50'			29.97	79 77			Bi	6			W E	2
	3													W E	2
	8													W E	1
	4													Calm	
	9														
	Noon. 12	19 38	34 00'			30.00				Bi	8			W E	2
	3					29.99	79 77							W E	3
	8													W E	4
IX	4													W E	4
	9													W E	4
	Noon. 12	19 46	32 08'			30.00				Bi	8			W E	4
	3					29.99	79 77							W E	3



From Montevideo

to

Boston

1851

Ther. in use, No. \_\_\_\_\_

Corrections, \_\_\_\_\_

REMARKS.

Sept 7<sup>th</sup> 1851.

\* "PROP. SKY CLEAR."  
 0 Entirely overcast.  
 10 Not a cloud to be seen.

7<sup>th</sup> Sept Saturday 1851. Middle more moderate N.E. cloudy  
 Latter part light N.W. breezes all sail set. hard chance  
 11 Days Out.

8<sup>th</sup> Sept first part moderate N.W. E. cloudy middle fresh N.W. E. cloudy  
 Latter part strong Gale N.W. E. close reefed topsails high sea

9<sup>th</sup> Sept first part Strong Gales N.W. E. heavy rain at 2 P.M. shifted  
 south strong. Gales heavy rain. Middle light breezes & calms  
 Latter part moderate South all st. sails set pleasant  
 13 Days out.

10<sup>th</sup> Sept 1851. first part moderate breezes South passing clouds  
 middle & Latter part fresh breezes S.E. passing clouds & smookey  
 Smooth sea going along finely & hope it will prove the S.E. Trades  
 Steady & E. made N.W. E. course. 14 Days Out. all well.

11<sup>th</sup> Sept first fine breezes S.E. passing clouds. Middle fine breezes  
 passing clouds East.  
 Latter part light squalls N.E. passing clouds & smookey  
 in company with a Bark. 15 days Out.

12<sup>th</sup> Sept all this day light breezes from E. & S. to N.W. E. hailing & squally  
 a hard chance to get south. at 1 P.M. tacked to East.  
 16 Days Out.

13<sup>th</sup> Sept All this day light air N.W. E. & pleasant smooth sea.  
 at 2 P.M. spoke Bark Lexington 15 days from B. Ayres.  
 this is a hard chance sure I ought to have the S.E. Trades here  
 17 Days Out.

14<sup>th</sup> Sept All this day light air & calm N.W. E. pleasant  
 smooth sea hard luck 18 days out

15<sup>th</sup> Sept first part light air N.W. E. & pleasant  
 middle fresh breezes  
 Latter part fresh breezes & light squalls  
 a hard road to travel this. the worst chance to get south I ever saw  
 19 Days out

15<sup>th</sup> Sept first part moderate N.W. E. passing clouds.



John Burgess

IX



From

Montevideo

to

Boston

1861

Ther. in use, No. \_\_\_\_\_

Corrections, \_\_\_\_\_

REMARKS.

Sept 1861

\* "PROP. SKY CLEAR."  
 3 Entirely overcast.  
 10 Not a cloud to be seen.

16<sup>th</sup> Sept 1861. Middle & latter part moderate S.W. & passing clouds  
 I shall never get to my port at this rate 20 Days out. & no farther.

17<sup>th</sup> Sept all this day light airs & calm passing clouds  
 When shall I get a breeze to get along. I cannot make much  
 if my southern on the other tack. & making Southern on this

18<sup>th</sup> Sept first part light airs S.W. & E. 21 Days out. & almost crazy.  
 Middle calm latter part fine breezes E. S. E.  
 I hope it will prove the trades 22 Days out.

19<sup>th</sup> Sept. All this day fine smart Trades East & pleasant  
 getting along finely 23 Days out.

20<sup>th</sup> Sept All this day fine East trades getting along finely  
 smooth sea & beautiful weather 24 Days out.

21<sup>st</sup> Sept All this day fine breezes E. & E. S. E. smooth sea  
 pleasant weather getting along finely 25 Days out.

22<sup>nd</sup> Sept Sunday 1861. All this day fine breezes E. S. E. to S. E.  
 pleasant weather. Std Sails set. getting along finely.  
 26 Days out.

23<sup>rd</sup> Sept. first & middle fine breezes S. E. & pleasant  
 at 2 A.M. past St. Horns about 6 miles to the E of it  
 latter part fine breezes S. E. & pleasant  
 27 Days out.

24<sup>th</sup> Sept all this day moderate breezes from South to S. E.  
 pleasant sun very sultry  
 28 Days out.

25<sup>th</sup> Sept first part light breezes S. E. & pleasant



## Abstract Log of

*Captain*

*Captain*

Abstract Log of														WINDS.	
Date.	Hour.	LATITUDE.	LONGITUDE.	CURRENTS.		BAROMETER.		THERM'R.		FORM AND DIRECTION OF CLOUDS.	*PROP. OF SKY CLEAR.	HOURS OF FOG A. RAIN B. SNOW C. HAIL D.	MAGNETIC VARIATION OBSERVED.	WINDS.	
				Direction.	Rate.	Height.	Ther. Att'd.	Air.	Wat'r					Direction.	Rate.
25	4									bi	9			SE	3
	9													SE	3
Noon.	12	N 1° 52'	34° 42'	W	1	29.93	81	82						SE	3
	3													SE	3
26	8													SE	3
	4													SE	3
	9													SE	3
Noon.	12	3° 04'	35° 39'	W	1	29.93	88	87		bi	9			SE	3
	3													SE	3
27	8													SE	3
	4													SE	3
	9													SE	3
Noon.	12	04° 01'	35° 45'	W	1/4	29.90	88	86		bi	9			SE	3
	3													SE	3
28	8													SE	3
	4													SE	3
	9													SE	3
Noon.	12	06° 10'	37° 35'	W	1/4	29.93	89	86		bi	9			SE	3
	3													SE	3
29	8													SE	3
	4													SE	3
	9													SE	3
Noon.	12	07° 59'	38° 45'	W	1/4	29.95	88	85		bi	9			SE	3
	3													SE	3
30	8													SE	3
	4													SE	3
	9													SE	3
Noon.	12	08° 57'	39° 22'	W	0	29.94	85	82		bi Ste	7			SE	3
	3													SE	3
1	8													SE	3
	4													SE	3
	9													SE	3
Noon.	12	09° 46'	40° 39'	W	1	29.87	85	82		bi Ste	5			SE	3
	3													SE	3
2	8													SE	3
	4													SE	3
	9													SE	3
Noon.	12	11° 07'	41° 13'	W	0	29.90	85	82		bi Ste	5			SE	3
	3													SE	3
3	8													SE	3
	4													SE	3
	9													SE	3
Noon.	12	12° 20'	42° 30'	W	1/4	29.93	87	84		bi	8			SE	3
	3													SE	3
	8													SE	3



From *Montevideo*

to

*Boston*

1851

Ther. in use, No. \_\_\_\_\_

Corrections, \_\_\_\_\_

REMARKS.

*Sept 1861*

\* "PROP. SKY CLEAR."  
 3 Entirely overcast.  
 10 Not a cloud to be seen.

- 25<sup>th</sup> Sept 1861. Middle & Latter part Moderate S S E.  
 very warm & sultry. 29 Days Out.
- 26<sup>th</sup> Sept all this day light air South very warm sultry weather  
 30 Days out & no farther along.
- 27<sup>th</sup> Sept first & middle light air E. & S E. to South  
 Latter part calm very warm & sultry 31 Days out.
- 28<sup>th</sup> Sept first part light air S E pleasant & warm  
 middle East pleasant Moderate  
 Latter part fine breezes S E. very warm & sultry.  
 32 Days out  
 Cape Cod bears N. W. 1/4 N. 29 20. miles
- 29<sup>th</sup> Sept. all this day light breezes from S E. to S S E.  
 fine pleasant weather. very warm & sultry.  
 Thirty three Days Out.
- 30<sup>th</sup> Sept All this day light variable winds S E. to South & calm  
 light squalls of rain Sultry disagreeable weather  
 34 Days out. & no farther along.
- 1<sup>st</sup> October all this day Moderate winds from S E to S S E & squally  
 westerly current of 2 1/2 miles.
- 2<sup>nd</sup> Oct all this day light breezes S S E passing clouds  
 very warm sultry weather a hard chance this  
 36 Days out.
- 3<sup>rd</sup> Oct all this day light air S E. & pleasant  
 for the last 5 days Strong tide rips but little current  
 to the west 37 Days Out.
- 4<sup>th</sup> Oct all this day light breezes & pleasant







From

Montevideo

to

Boston

1851

Ther. in use, No. \_\_\_\_\_

Corrections, \_\_\_\_\_

REMARKS.

Oct 1861.

\* "PROP. SKY CLEAR."  
 0 Entirely overcast.  
 10 Not a cloud to be seen.

4<sup>th</sup> Oct 1861. all this day light breezes S.E. & pleasant  
 westerly current 14 Miles  
 38 Days Out.

5<sup>th</sup> Oct 1861. all this day light breezes S.E. & pleasant  
 18 miles S.W. current very warm & sultry.  
 39 Days Out.

6<sup>th</sup> Oct. All this day fine breezes E & S. & pleasant  
 light current to the west  
 I hope this is the trade wind the best run for a long time  
 40 Days Out.

7<sup>th</sup> Oct all this day moderate breezes & pleasant  
 west current of 18 Miles  
 41 Days Out.

8<sup>th</sup> Oct all this day moderate East Trade wind & pleasant  
 latter part large quantities of fresh weed  
 42 Days Out.

9<sup>th</sup> Oct all this day fine breezes E & S & pleasant  
 scattering weed. light set to the west  
 43 Days Out.

10<sup>th</sup> Oct All this day moderate breezes E & S. ends of S.  
 pleasant weather Barometer up I fear the trades are done.  
 44 Days Out.

11<sup>th</sup> Oct all this day moderate breezes W & S. & E. light squalls  
 36 Miles westerly current  
 45 Days Out.

12<sup>th</sup> Oct all this day light air & calms  
 westerly current of 18 miles. very warm.  
 I fear a calm spell.  
 46 Days Out.



REMARKS

1. Name of vessel  
2. Name of master  
3. Name of commanding officer  
4. Name of observer

Date  
Time

X

X



CLOUDS.  
PRIMARY FORMS.

PLATE XVI.



Stratus (Str.)      Cirrus (Cir.)      Cumulus (Cum.)      Nimbus (Nimb.)

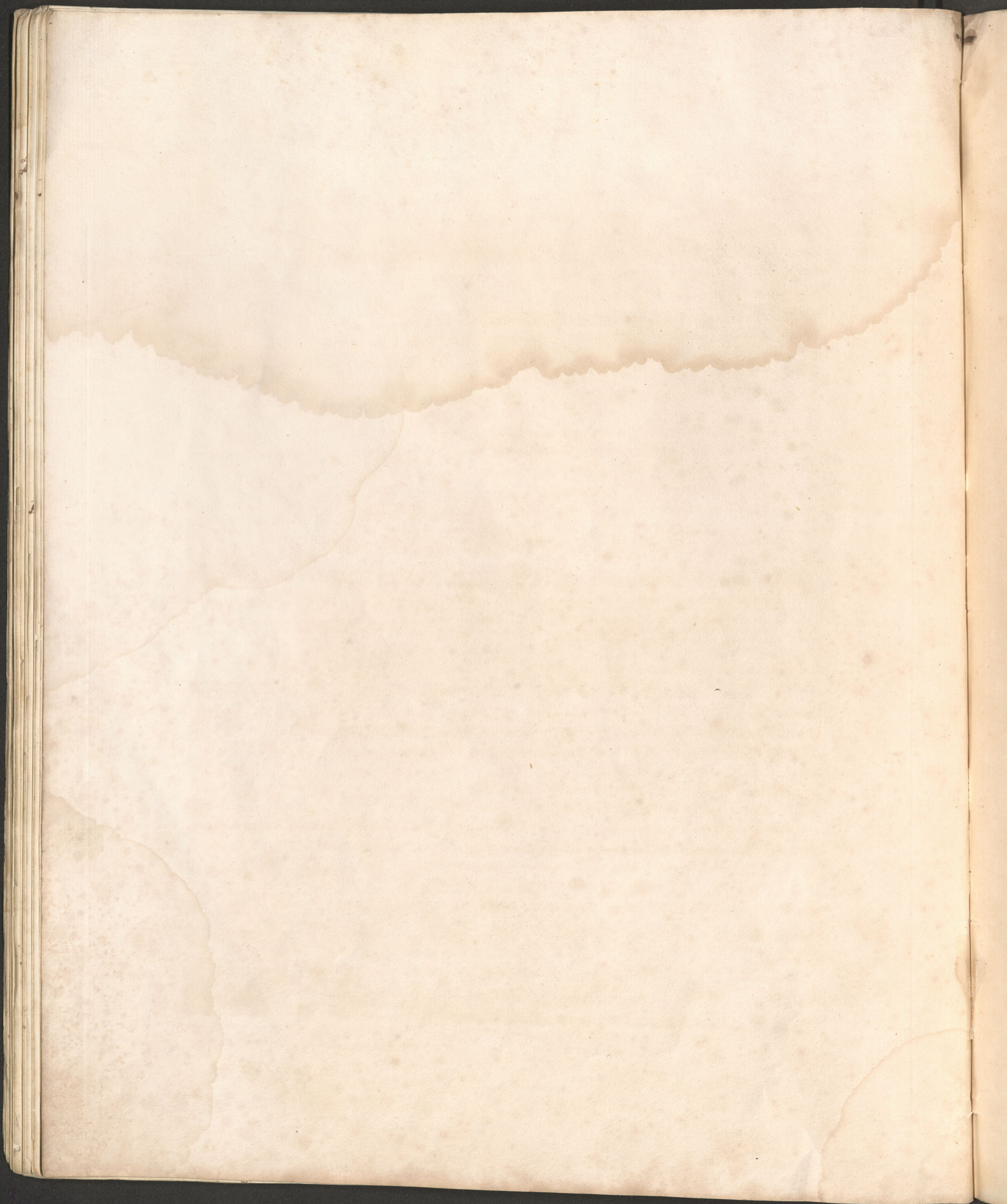
SECONDARY FORMS.



Engraved & Printed by J.M. Butler, Philad.

Cirrus      Cirrocumulus (Cir-Cum.)      Cirrostratus (Cir-Str.) various forms      Cumulostratus (Cum-Str.)







## ABSTRACT LOG FOR THE MERCHANT SERVICE.

THE Maritime Conference at Brussels recommended the form of an abstract log, especially for men-of-war. The nations represented at that Conference, were Denmark, Sweden, Russia, Norway, Portugal, Holland, France, Belgium, England, and the United States. It is presumed that all these nations will, as the United States have done; as Prussia and Spain, who were not in the Conference, are ready to do, viz: approve that form, and command it to be kept on board of all their men-of-war at sea, and *recommend, at least*, that the same be done in their merchant service.

The following is the order of the Hon. J. C. Dobbin, the Secretary of the Navy upon this subject, to the officers of the United States Navy:—

### GENERAL ORDER:

NAVY DEPARTMENT, *November 3, 1853.*

The form of the "Abstract Log," recommended by the late Maritime Conference at Brussels, is hereby approved and adopted for use in the Navy of the United States.

It is recommended to navigators generally, and will be faithfully kept on board of all vessels in the naval service.

Commanding officers of vessels afloat are specially charged with the execution of this order, and they will transmit copies of the Abstract kept on board, to the Chief of the Bureau of Ordnance and Hydrography at the end of the cruise, and at such other times as he may direct.

(Signed)

J. C. DOBBIN, *Secretary of the Navy.*

The intelligent navigator will perceive, by looking over the "Explanatory Notes," what remarks apply to the Merchant Service Log. For instance, those for column 15, "wet bulb," do not apply to this log, unless the navigator may think proper to use the wet bulb thermometer. Neither does what relates to the hours 2, 3, 4 P. M., 6, 9 A. M., and 10, in column 2 "hour" apply to the Merchant Service Log, unless the captain, as he is invited to do, shall choose to introduce in his log these hours. In that case, he is requested to give preference to those hours that are printed in heavy figures.

I quote the Explanatory Notes given by the Brussels Conference for keeping this log; to which I have made some additions. These additions are contained in brackets, thus [ ].

### EXPLANATORY NOTES FOR KEEPING THE ABSTRACT LOG.

The name of the *last* place from which the vessel sailed, and the place to which she is going, should be stated in the abstract.

*1st Column.*—THE TIME inserted in the abstract log should be civil time; but if astronomical [or sea] time is inserted, it should be so stated at the commencement of the log. The months should be indicated by the Roman letters from I. to XII., January being I. [December XII.]



## II

*2d Column.*—HOURS; this column contains all the hours at the even numbers, and in addition 9 A. M. and 3 P. M. The hours 4 A. M. and 9 A. M., Noon, 3 P. M. and 8 P. M. are printed in larger type, to indicate that it is at these hours that observations are especially required, as will be farther explained.

*3d Column.*—LATITUDE OBSERVED.

*4th Column.*—LATITUDE BY DEAD RECKONING.

*5th Column.*—LONGITUDE OBSERVED.

*6th Column.*—LONGITUDE BY DEAD RECKONING.

The latitude and longitude should be observed frequently at sea, and more especially about 4 A. M., Noon, and 8 P. M., and the result referred by the log to the hour nearest to which the observations were made, in order that the ship's position may be as accurately determined as possible at those times. This should be particularly attended to, when the ship is expected to cross or enter upon any of the great streams and currents of the ocean, the trade or periodical winds. The position by dead reckoning should be deduced from the last observation for latitude and longitude. If the longitude is determined by lunar distances, note it in the column with its proper sign,  $\odot \text{C}^*$ , and if by chronometer,  $\odot$  or  $*$ . When in sight of land, and the ship's position is determined by bearings, it is still desirable that the position of the ship should be given in latitude and longitude, in the proper column.

*7th and 8th Columns.*—DIRECTION AND RATE OF CURRENTS. On ordinary occasions the currents should be determined at noon on each day, by comparing the position of the ship, as determined by observation, and its position, as found by dead reckoning; the direction and rate of the current in nautical miles for the last 24 hours should be given [or better, for the time during which it has been felt]; besides the daily entry at noon, the rate and direction of currents should be noted at shorter intervals, when the ship is in the vicinity of the great oceanic currents, or when it is supposed that the currents may sensibly vary in the 24 hours.

*9th Column.*—THE OBSERVED VARIATION should be entered in degrees and minutes; and when the variation is determined by observation of the moon or a star, the sign  $\text{C}$  or  $*$  should be placed after the entry, thus:  $23^\circ 16'$  W.  $\text{C}$ .

The variation should be corrected for local attraction; in other words, the variation entered should be what the variation would have been, had the ship been heading at the time of observation upon the course, in which the local variation would be O.

It is desirable that every vessel should be provided with a *standard compass*, with which all the observations for variation should be made. The position of the standard compass, or of the one used, should be that at which the local attraction is the least, and the compass should always be placed in the same place. When the variation has not been observed, the variation *used* should be corrected for local attraction, and noted.

*10th Column.*—DIRECTION

*11th Column.*—FORCE

} of the WIND.

The direction and force of the wind should be regularly entered at 4 A. M., Noon, and 8 P. M. The force and direction entered should be that which has been most prevalent during the eight preceding hours. The direction should be by compass, and expressed in points. The force of the wind should be indicated by the figures given in the first page; if there are squalls, their force should be given in a parenthesis ( ), opposite the hour at which it takes place.



### III

[Columns 10 and 11 are therefore to be filled *only* at 8 P. M., 4 A. M., and Noon. The force and direction of the wind entered at 8 P. M. must be the force and direction that have been most prevalent during the interval between Noon and 8 P. M.; at 4 A. M. enter the prevalent character as it has been since 8 P. M.; and at Noon, the prevalent character since 4 A. M. must be entered. Whether the time kept on board be sea or civil time, from Noon to 8 P. M. is understood to be what in common parlance among seamen is known as the FIRST PART. In like manner, from 8 P. M. to 4 A. M., whether the day commence at noon or midnight, is understood to be the MIDDLE PART.]

12th and 13th Columns.—THE BAROMETER AND ITS THERMOMETER should be observed, if possible, at all the hours given in column 2, and at least at 4 and 9 A. M., Noon, 3 and 8 P. M. [The thermometer attached to the barometer—and if none be attached, one should be tied to the lower end—should be carefully noted whenever the barometer is observed, for we depend upon it for an important correction for the Bar.]

[Navigators, who are co-operating in this system of research, will please recollect that we are now about to turn over a new leaf, especially as it regards the meteorological observations usually made at sea. We have pushed these observations after the old plan until they have of themselves proclaimed their own imperfections, and have demonstrated the necessity of more accurate observations made with instruments that are *true*.

We are now setting about to catechize nature closely. All who co-operate with us have agreed to propound to her certain questions. Now, unless these questions be truly interpreted, we cannot reconcile the answers that are to be given; and certainly they cannot be truly interpreted unless the instruments used be themselves true.

We want, therefore, when a thermometer is read, to know that its error does not exceed a certain very small quantity—less than a degree always. And, in like manner, when the barometer is read, we want the means of correcting it of its errors, even to the hundredth part of an inch. Every barometer has its sources of error. Mercury, for instance, is very expansible; it is lighter at a temperature of 90° than it is at a temperature of 32°; and with exactly the same atmospheric pressure it will stand higher when the temperature of the column of mercury is 90° than it will when the column of mercury is at any temperature below that. Hence, whenever the barometer is read, we want to know what the temperature of the mercury in the cistern is, in order that we may make this correction. In like manner, it is equally important to know the height of the barometer in the cabin above the level of the sea, and the elements for the other corrections named at page VII.]

14th and 15th Columns.—THE DRY AND WET BULB THERMOMETERS should be observed at the same hours as the barometer. If it rains at the time when the observation with the wet bulb is taken, put the letter B after the temperature. Before reading the wet bulb thermometer, the bulb [or rather, a thin old linen rag should be tied tightly about the bulb, and then the bulb] should be moistened with [clean] fresh water, and allowed to remain a few minutes in the open air, in the shade, and where strong currents of wind from the sails cannot affect it.

All the thermometers ought to have two scales, one that of the country to which the ship belongs, the other the centigrade.

16th Column.—THE FORM AND DIRECTION OF THE CLOUDS should be noted at least at 4 A. M., Noon, and 8 P. M., and as they appear at the time of observation. The form of the clouds should be indicated by the letters given at page VI. When the clouds are observed to be going in different directions at the same time, the direction of the upper ones should be stated above that of the lower, and separated by a bar, thus:  $\frac{N. N. E. C}{S. W. Cu}$ . [Plate XVI. shows the form of Clouds. It gives the forms used by the Smithsonian Institution, and by meteorologists on shore generally.]

17th Column.—THE PROPORTION OF THE SKY CLEAR should be indicated by figures from 0 to 10. Thus 8 indicates that  $\frac{8}{10}$  of the sky is clear.

18th Column.—FOG, RAIN, SNOW, AND HAIL. The number of hours of fog, rain, snow, and hail, in the eight preceding hours, should be noted at 4 A. M., Noon, and 8 P. M.

The letter A, indicates fog; C, snow;

B, rain; D, hail.



#### IV

One or two bars placed under the hours indicate degree [intensity or quantity]: thus 3 B, is 3 hours of light rain; 3 B, [moderate] rain; 3 B, heavy rain.

The direction and force of the wind, etc., before, during, and after the rain, should be stated in the column of Remarks.

19th Column.—THE STATE OF THE SEA during the eight preceding hours should be stated at 4 A. M., Noon, and 8 P. M., by means of the signs given on the second page. [These signs were omitted to be inserted in the original.]

20th Column.—TEMPERATURE OF THE WATER AT THE SURFACE. For the hours at which the observations should be taken, see directions for the barometer and thermometer. The water should be taken up in a wooden bucket, as far as possible from the ship's side, and placed in the shade on deck; the thermometer should then be placed in the water, and left there for two or three minutes [five], and read afterwards, whilst the bulb is in the water. In addition to the ordinary observations, the temperature of the water should be taken when any particular circumstances may seem to make it desirable, as when there are changes in the color of the water, [or when the vessel is] in the neighborhood of ice, shoals, the gulf or other streams, and at the mouths of great rivers.

The temperature of the water should also be taken during thunderstorms, and when any electrical phenomena are observed.

21st Column.—THE SPECIFIC GRAVITY OF THE WATER AT THE SURFACE OR AT DIFFERENT DEPTHS, should be noted at least once a day; when the water is taken from a certain depth, the depth should be entered under the specific gravity, and under a line ( $\frac{0.002}{1.000}$ ). The specific gravity is stated without any other correction than that which the instrument employed may require. The temperature of the water should be placed in the 20th and 22d columns. It is desirable that a uniform scale should be adopted in the instruments used in ascertaining the specific gravity; that the specific gravity of distilled water should be the unit, and that of the sea-water expressed in decimals. [The hydrometer of commerce, that is, the one of glass, and in the shape of a thermometer with a huge bulb slightly loaded, used for proving spirits, is the one recommended for the American Service.]

22d Column.—THE TEMPERATURE OF THE WATER AT DIFFERENT DEPTHS should be taken at least once a day, according as circumstances may be more or less favorable; the temperature should be entered above the specific gravity and separated from it by a bar ( $\frac{54.0}{0.95}$ ); the unit of measure in depths is fathoms [of six feet each, English]. In taking water from moderate depths, it may be hauled up in a cylindrical box, 18 inches long, and 6 inches in diameter, having two valves in the ends opening upwards. This box may be either of wood or iron, and attached to the deep-sea lead. [Self-registering *metallic* thermometers are better.]

It is desirable, frequently, to try the temperature of the water at the depth of the ship's cock below the surface; the cock should be left open for 8 or 10 minutes before the bucket is filled, and the thermometer should be left two or three minutes [five] in the water, as before described, before reading it, and it may be well to note the rate of the ship at the time the cock was open. The temperature of the water at the surface should be observed, whenever the temperature at different depths is taken.

When there is a great difference between the temperature of the water at the surface, and at some depth, observe the indications of the wet and dry bulb thermometers, and note them in the column of Remarks.

Although these observations are of importance in every part of the globe, still, there are certain regions where the differences between the temperature at the surface and the temperature at certain depths have a particular interest. We may mention the regions of the trade-winds, the Indian Ocean, the Cape of Good Hope, and especially in the Lagullas current, and near the mouths of great rivers.

COLUMN OF REMARKS.—The column of Remarks will contain everything which the captain may consider useful. We direct attention to the following points:—

1st. If the vessel is a steamer, state whether she was steaming or under sail at the time the observations are made.



*Tempests, tornadoes, whirlwinds, typhoons, or hurricanes, etc.*—Every circumstance connected with these should be stated in great detail; the different changes of the wind, the appearance of the sky and the clouds, of the sea and electrical phenomena, rain, hail, etc. The height of the barometer should be frequently noted, at least as often as there is a change of a tenth of an inch, and the time when the remarks are made [*i. e.* when the phenomena are seen, or when the observations are made], should be stated.

When *water-spouts* are observed, the time of their duration, their successive appearances, their formation, gyratory movement, translation, and breaking up, should be described.

Note the circumstances attending storms, the thunder, lightning, etc.; and when phenomena of this nature are observed by navigators, they should be guided in their observations by a reference to analogous phenomena, which they may have observed in other regions, more especially upon the edge of the Gulf Stream.

It is desirable to have the *temperature of the rain* compared with the temperature of the air.

When it *hails*, describe the *hailstones*, and the electrical phenomena.

Note the quantity of *dew*, the time when it commences to fall, and, in cases of extraordinary deposits, note the temperature of the air as close to the surface of the sea as possible, and at the same time at the masthead.

When *red fogs* or *showers of dust* are met with, describe the weather and the appearance of the sky, and obtain, if possible, specimens of the dust.

Observe the height of the *waves*, the distance between them, and their rate of progress.

Note the *tide rips* seen, particularly in the tropics, and the age of the moon at the time.

When the surface of the sea is covered with *pink or white patches* of water, as is often the case in the Pacific Ocean, describe them, and preserve specimens of the water in phials with ground-glass stoppers; if practicable, get a cast of the deep-sea lead, and take the temperature of the water at the surface, and at some depth.

When *deep-sea soundings* are taken, state the time the lead takes to descend each 100 fathoms, and carefully preserve whatever the lead brings up from the bottom. [Deep-sea soundings should always be made from a boat.]

It is much to be desired, for the sake of comparison, that the same sized line and the same shaped lead, of equal weight, should be used. [For description of those used in the U. S. Navy, see *Maury's Sailing Directions*, 6th ed. p. 225.]

In places where *ice* may be met with, observe the temperature of the water frequently; these observations are most valuable when there are fogs which may prevent the ice from being seen, as they may indicate its presence even at the distance of 2 or 3 miles, especially when the ice is to leeward.

Note the appearance of the ice, and the direction in which it has been drifted.

In addition to the *thermometers* usually supplied to ships, it is desirable that they should be furnished with others with *white, black, and blue bulbs*, colored with water-colors. These three thermometers should be exposed simultaneously to the sun in fine weather for some minutes at 9 A. M., noon, and 3 P. M., and occasionally at night [to the open sky] in time of dew; their indications should be entered in the column of Remarks.

Note the *shooting stars*; their point of departure and the point to which they appear to converge, the constellations which they traverse, their numbers in a given time. They should be especially observed about the 10th of August and the middle of November.

The *Aurora borealis*; the time of its appearance and disappearance, extent, form, position, intensity of light, color, its motions, and changes should be described.

*Halos, rainbows, meteors, etc.* should also be noted.

Carefully note the appearance of *birds, insects, fish, sea-weed, drift-wood*, and mention any circumstances which may throw light upon their appearance.

When at anchor, *tidal observations* should not be neglected, and the times of high and low water, if possible, should be observed; state the time also of change of tide, the rate and direction of the current at various stages, both



on the flow and ebb, and everything relative to this important question. Hourly meteorological observations, especially at the times of the equinoxes and solstices, would be very valuable.

In addition to the observations mentioned in the abstract log, it is desirable that each captain should write, at the end, any general remarks which his personal experience may suggest [as to the route pursued, currents, winds, &c., encountered by the way], more especially if he has frequently made the same voyage.

(1). \_\_\_\_\_

(2). \_\_\_\_\_

(3). \_\_\_\_\_

(4). \_\_\_\_\_

(5). LOCAL DEVIATION:—

*Before sailing.*

SHIP'S HEAD.	DEGREES OF DEVIATION.	SHIP'S HEAD.	DEGREES OF DEVIATION.
NORTH. .		SOUTH. .	
N.N.E. . .		S.S.W. . .	
N.E. . . .		S.W. . . .	
E.N.E. . .		W.S.W. . .	
EAST. . .		WEST. . .	
E.S.E. . .		W.N.W. .	
S.E. . . .		N.W. . . .	
S.S.E. . .		N.N.W. . .	

*When arrived.*

SHIP'S HEAD.	DEGREES OF DEVIATION.	SHIP'S HEAD.	DEGREES OF DEVIATION.
NORTH. .		SOUTH. .	
N.N.E. . .		S.S.W. . .	
N.E. . . .		S.W. . . .	
E.N.E. . .		W.S.W. . .	
EAST. . .		WEST. . .	
E.S.E. . .		W.N.W. .	
S.E. . . .		N.W. . . .	
S.S.E. . .		N.N.W. . .	

- (1). Enter the class of the vessel, her name, country, and the name of the captain.
- (2). If the vessel is of iron or wood; and mention the quantity of iron, if any, in the cargo.
- (3). Enter the names of the places at which the vessel has called during her voyage.
- (4). Name the meridian from which the longitude is calculated.
- (5). Give the table of local deviation at the commencement and at the end of the voyage; and state in the log the manner in which it was determined, and if the vessel was loaded with any iron when the observation was made, or whether any iron as cargo was taken on board after the observation was made.

If practicable, the operation should be repeated during the voyage.



# VII

Describe, on pages VII. and VIII., the instruments you have on board, the manner of using them, and of making the observations.

BAROMETER (corrections to) . . . . .	{	Index error.
		Capacity.
		Capillarity.
		Mean height above the sea.

Compared by Mr.  
with the standard at

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THERMOMETERS (correction to). [Number your thermometers, and state the corrections that are to be applied to the various readings of each, to make them correct.]

FORCE OF THE WIND indicated by numbers (sailing by the wind).

- |                             |                                    |  |
|-----------------------------|------------------------------------|--|
| 0. Calm.                    | 5. With royals.                    | 9. Close-reefed topsails and courses.              |
| 1. Ship has steerage.       | 6. Top-gallants over single reefs. | 10. Close-reefed main topsail and reefed foresail. |
| 2. Clean full 1 to 2 knots. | 7. Double-reefed topsails.         | 11. Staysails.                                     |
| 3. Clean full 3 to 4 knots. | 8. Triple-reefed topsails.         |  |
| 4. Clean full 5 to 6 knots. |                                    |  |

FORMS OF CLOUDS ARE: cirrus (*Ci.*); cumulus (*Cu.*); stratus (*St.*); nimbus (*Ni.*), etc. [See Plate XVI.]



## VIII

## ABSTRACT LOG

CAPTAIN

DATE.	HOUR.	LATITUDE BY		LONGITUDE BY		CURRENTS.		MAGNETIC VARIATION OBSERVED.	WINDS.		BAROMETER.	
		Observation.	D. R.	Observation.	D. R.	Direction.	Rate.		Direction.	Rate.	Height.	Ther. attach'd.
I. 31.	2											
	4								(Middle part.)	—		
	6											
	8											
	9											
	10											
Noon.	12								(Latter part.)	—		
	2											
	3											
	4											
	6											
	8								(First part.)	—		
	10											
	12											
II. 1.	2											
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
[a]	[b]	[a]	[c]	[a]	[c]	[a]	[a]	[a]	[a]	[a]	[a]	[a]

## DESCRIPTION OF INSTRUMENTS.



FROM

TO

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THERMOMETER.		FORMS AND DIRECTION OF CLOUDS.	PROPOR. OF SKY CLEAR.	HOURS OF FOG A. RAIN B. SNOW C. HAIL D.	STATE OF THE SEA.	WATER.			STATE OF THE WEATHER.	REMARKS.
Dry bulb.	Wet bulb.					Temp. at surface.	Specific gravity.	Temp. at depth.		
										This form is in- tended more espe- cially for men-of- war.
(14) [a]	(15) [b]	(16) [a]	(17) [a]	(18) [a]	(19) [c]	(20) [a]	(21) [b]	(22) [b]	(23) [c]	(24) [a]

## DESCRIPTION OF INSTRUMENTS.



CONDITIONS UPON WHICH THE WIND AND CURRENT CHARTS ARE FURNISHED  
TO NAVIGATORS.

These Charts are based upon a system of voluntary co-operation; and, so far, they have been constructed from materials furnished principally by American shipmasters, and on condition of each one being supplied with such sheets of the Charts as relate to his cruising ground, and which his observations have helped to make.

It has been judged wise to extend this system of co-operation, seeing that it has worked so well in the American merchant service, to the merchant service of all other friendly nations.

Accordingly, the Hon. J. C. Dobbin, Secretary of the Navy, with a spirit of liberality deserving of the highest commendation, has authorized me to place these Charts and Sailing Directions at the disposal of foreign governments for distribution among their shipmasters trading upon the high seas, who will lend their co-operation also, and who will first provide themselves with the requisite instruments for making the observations required, and for keeping the abstract log in the manner required.

It is desirable that the American shipmasters who wish to continue their co-operation, and to continue their claims to be entitled to new editions of Sailing Directions and Charts, should provide themselves with at least three thermometers, which have been carefully compared with a standard for every five degrees at least from  $30^{\circ}$  up to  $100^{\circ}$ .

The errors of the thermometer will generally be different for different parts of the scale. Hence the recommendation for comparisons at every five degrees. Nor should the shipmaster purchase a thermometer, even after it has been so compared, if its error in any part of the scale exceed  $1^{\circ}$ .

It is not required of American shipmasters, as a *condition* to entitle them to the Charts, that they should have thermometers of two scales, viz: Fahrenheit and the centigrade. Their attention is simply called to what the Brussels Conference says upon the subject, with the request that those who shall choose to follow those recommendations upon this point, will state in the abstract log that their thermometers are provided with both the Fahrenheit and centigrade scale. It is always the reading, they will please take notice, by the Fahrenheit scale that is to be entered in this abstract.

Every navigator, who, after receiving a copy of the Charts, fails to comply with these conditions, viz: to keep abstracts of his voyages as per form, and, on his return to the United States, to transmit them to me at the National Observatory, or, if a foreign vessel, to the person appointed in his own country to receive them, forfeits his claim to all future publications.

The Charts are to be had on application either at the National Observatory, Washington, or of George Manning, New York; provided the applicant will comply with the conditions above set forth. The following is the form of the receipt, which he is required to sign for such Charts as he may receive:—



FORM OF RECEIPT.

<p>Received this</p> <p>from</p> <p>Maury's Sailing Directions,</p> <p>sheets Nos.</p> <p>do. do.</p> <p>do. do.</p> <p>do. do.</p> <p>do. do.</p> <p>do. do.</p>	<p>day of</p>  <p>edition, and</p>	<p>185</p> <p>one Abstract Log, one Copy of</p> <p>(Series A.)</p> <p>( " B.)</p> <p>( " C.)</p> <p>( " D.)</p> <p>( " E.)</p> <p>( " F.)</p>
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MAURY'S WIND AND CURRENT CHARTS; for, and in consideration of which, I promise to keep, in the manner and form prescribed, a journal of my Voyages, and on my return to transmit the same to the National Observatory, Washington.

Commanding \_\_\_\_\_

of \_\_\_\_\_

Bound \_\_\_\_\_

I take this opportunity to repeat that the *point* of the compass from which the wind blows is what is wanted, also the variation *observed*, and not the variation that is taken from charts or books.

 The Abstracts are to be bound. Navigators, in keeping them, and in cutting the leaves out to be returned to this office, will please bear this fact in mind—and leave blank margins for binding;—and enter their winds, remarks, and the like, so that all for the same day may be read at one opening, as on the pages VIII., IX.

And whalemén will please recollect that their abstracts must embrace, for *every day they are not at anchor*, a regular record of their latitude and longitude, force and direction of the wind three times a day, temperature of the air and water, and mention of whales whenever seen.

When any of the routes herein recommended are tried, state whether you have had a longer or shorter passage than vessels sailing about the same time *without* the Wind and Current Charts on board, or without having tried these routes.

It is very desirable to know the temperature of the water, even for a few feet below the surface. Therefore, those vessels that are provided with the means of letting water into the hold, would render a valuable service by drawing a bucket of water through the cock daily, and recording its temperature. Let the water so drawn run a little while first, so that it may be of the natural temperature. State the depth of the cock below the water in the column for Remarks.



50.00  
 1.50  
 46.50  
 14.40  
 32.10  
 2.00  
 5.50  
 1.00  
 15.00

178.60

30000  
 30000

3000

30  
 30